

SHERIFF'S OFFICE INTERVIEW ROOM CAMERA AND RECORDING SYSTEM 2018	PRO-VISION INC	VOICE PRODUCTS INC	TURN-KEY MOBILE INC	COBAN TECHNOLOGIE S INC	BUS COMM INCORPORATED	WATCHGUARD INC	CBEYONDATA	TECH ELECTRONICS INC
	8625B BRYON COMMERCE DR BRYSON CENTER MI 49315	8555 E. 32ND ST. N. WICHITA KS 67226	210 PRODO DR JEFFERSON CITY MO 65109	11375 W. SAM HOUSTON PKWY S #800 HOUSTON TX 77031	11696 LILBURN PARK RD ST. LOUIS MO 63146	415 E EXCHANGE PARKWAY ALLEN TX 75002	9435 LORTON MARKET ST LORTON VA 22079	6437 MANCHESTER AVE ST. LOUIS MO 63139
TOTAL PROPOSED COST OF INTERVIEW ROOM CAMERA AND RECORDING SYSTEM	\$4,669.00	ENCORE \$9,454 IRECORD \$9,584	\$6,975.25	\$23,905.00	\$7,231.12	\$8,185.00	\$19,546.75	\$11,850.00
REQUIRED DOCUMENTS								
NOTARIZED WORK AFFIDAVIT COMPLETED	Y	Y	Y	Y	Y	Y	Y	Y
E-VERIFICATION DOCUMENTATION (Y/N):	Y	Y	N	Y	Y	Y	Y	Y
COPY OF INSURANCE PROVIDED	Y	Y	Y	Y	Y	Y	Y	Y
TAX RECEIPTS OR NOTARIZED LETTER STATING NO REAL OR PERSONAL PROPERTY OWNED IN JEFFERSON COUNTY	Y	Y	Y	Y	Y	Y	Y	Y
COOPERATIVE BID FORM (Y/N)	Y	Y	Y	Y	Y	N	Y	Y
COOPERATIVE CONTACT INFO:	Y	Y	Y	Y	Y	N	Y	Y
COMPANY INFORMATION AND SIGNATURE	Y	Y	Y	Y	Y	Y	Y	Y
BID DEPOSIT REQUIRED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COMMENTS:	SEE ATTACHED PROPOSAL (HARDWARE AND & STORAGE ONLY- INSTALLATION NOT APPLICABLE)	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED CORE SYSTEM & PROFESSIONAL SERVICES PLEASE SEE ENCLOSED INVESTMENT SUMMARY FOR DETAILS AND OPTIONAL ADD ON PRICING	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
 729 MAPLE ST / PO BOX 100
 HILLSBORO MO 63050
WWW.JEFFCOMO.ORG

BID #: 18-0055

Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

**Specification
Contact:**

LT. WILLIAM DUNN
 Department of the Jefferson County Sheriff
 636-797-5526
wdunn@jeffcomo.org

**Contract
Contact:**

VICKIE PRATT
 Department of Administrative Services
 636-797-5380

**Mail (3) Three
Complete Copies
With Vendor And
Proposal
Information As
Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME

VENDOR ADDRESS

CONTACT NUMBER

DEPARTMENT OF THE COUNTY CLERK

JEFFERSON COUNTY MISSOURI

729 MAPLE ST / PO BOX 100

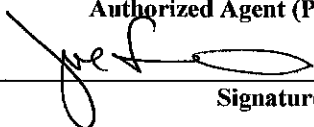
HILLSBORO MO 63050-0100

SEALED PROPOSAL: (PROPOSAL NAME)

**Contract Term:
upon approval by
the County Council
and County
Executive**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

PRO-VISION, INC	Joe Francis	
Company Name	Authorized Agent (Print)	
8625B Byron Commerce Dr		
Address	Signature	
Byron Center, MI 49315	Sales Manager	
City/State/Zip Code	Title	
800-576-1126	8/6/2018	81-0623979
Telephone #	Date	Tax ID #
joe.francis@provisionusa.com	616-583-1522	
E-mail	Fax #	

3. QUALIFICATIONS OF BIDDER

To be considered for award of this contract, the vendor must meet the following minimum qualifications:

The vendor must be organized for the purpose of providing evidentiary videos and/or recordings of suspects/victims that can be presented and testified to during court proceedings. The vendor must be able to provide training and that training must meet the format selected by the Jefferson Sheriff Office.

The vendor must have a proven ability for a contract start-up when notified of the acceptance of a contract.

4. SCOPE OF SERVICES

Vendor shall undertake, provide, perform, and complete the following:

- A. Installation of System. Vendor shall be responsible for the installation and service of the system in the current interview room. Specifically, Vendor shall be responsible for the following:
1. Plan, coordinate, and install recording system to include a high resolution, tamper resistant camera, redundant recording device, secure storage of evidentiary videos to insure a tamper-proof product, provide training for the use of the product, and a renewable service agreement for at least a 1 year period. ~~PRO-VISION, INC. does not install systems in the building. Only submitting bid for hardware only~~
 2. Ensure that program is compatible with current systems and capabilities of the Jefferson County Data Systems.
 3. The provided system should be easily expanded to include additional interview rooms, on and/or off site.
 4. Employees of Vendor assigned to work at the facility shall pass background checks and be able to work in a secure facility.
 5. Meet requirements of all federal, state and local evidence standards.
- B. System Service
1. Provide a 24-hour trouble shooting contact to ensure trouble free operation of the system.
~~Technical Support Available Monday-Friday 8am-5pm EST~~
- C. Compensation and Payment Procedure.

The Vendor shall submit invoices upon the completion and verification of the completed installation. The County shall reimburse Vendor for services billed pursuant to its procedure for payment of Accounts Payable within thirty (30) days from the date of the Sheriff's verification that the services billed have been satisfactorily performed.

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$4,669.00 (See attached proposal)

(Hardware & Storage Only-Installation Not Applicable)



QUOTE # MASQ9102 BID# 18-0055 Sheriff's Office Interview Room Camera and Recording System 2018

August 6, 2018

PRO-VISION® HD Interview Room Recording System Features:

- 1080p HD Video Quality
- 5 YEAR Warranty
- LIFETIME Cable Warranty
- Motion Detection Recording
- Remote Live Viewing
- Evidence Management Software
- 24/7 Recording Option
- Quad Zone™ Noise Cancelling Audio
- Built-in WiFi
- Unbeatable Value

PRO-VISION® HD Interview Room Recording System Includes:

- DVR-808BD 1080p HD Building System Base KIT
- DVR-810 HD Night Vision Dome Camera KIT
- DVR-710 Enhanced Event Marker Button
- PX-1843 30ft HD Extension Camera Cable
- High Definition DVR (Included in DVR-808BD)
- HD Night Vision Dome Camera (Included in DVR-808BD)
- AC Power Plug (Included in DVR-808BD)
- Lockable Cage (Included in DVR-808BD)
- 1TB Hard Disk Drive (Included in DVR-808BD)
- 20ft HD Camera Cable (Included in DVR-808BD)
- Software & Guides (Included in DVR-808BD)

Purchase Price per Unit: \$2,089.00

SecuraMax™ Video Management Pricing:

SMX-5YR...SecuraMax 100GB Cloud Storage - 5 Year Plan

Monthly Fee per Device: \$43

Total Project Cost w/Cloud: \$4,669.00

General Terms:

PRO-VISION®, Inc. ships all orders UPS Ground.

Service or carrier change will result in additional charges.

Shipping & Handling not included unless specified.

Quote is valid for 30 days. Purchase price is USD and FOB Byron Center, MI

Product Invoice Net 30 Day Terms or 2.0% Discount Net 10 Day Terms.

5% Discount when 100% payment is received with purchase order (Excludes SecuraMax Server)

Terms and Discounts do not apply to leases or credit card payments

Past due invoices will be subject to a 1.5% per month Finance Charge

No technical support or warranty claims will be provided for any past due account

All transactions are subject to final PRO-VISION® Management Approval.

SecuraMax®:

Plan Price per Month Based on Service Contract for the specified length with autopay discount.

Service Contract and End User License Agreement (EULA) required.

Additional terms specified in Service Contract and EULA.

Hardware using SecuraMax must be paid for prior to deployment.

SecuraMax® Cloud (Government & Commercial)

The following information is intended to establish a standard of quality and desired features to ensure that the needs and requirements of the department/company are met.

Uploads:

1. The software must be designed to receive and manage video from any PRO-VISION® body-worn camera, in-vehicle video recording system, or building video recording system.
2. The software must have the capability to configure files from any recording unit to be automatically uploaded in the same manner as files from PRO-VISION® products.
3. The software must be able to configure any Windows® computer system to securely upload videos to the cloud video management server.
4. The software must be able to support an infinite number of computers configured to upload files.
5. The software must allow an administrator to enable/disable a computer upload station at any time.
6. The software must automatically log all file actions from the moment of upload into the system.
7. The software must complete a hash of each file prior to uploading to the cloud server; this file hash must then be verified with the file on the server to ensure the file is an exact duplicate. The software hashing algorithm must be SHA2-256bit; software using broken hashing algorithms such as MD5 and SHA1 are not accepted.
8. The software must always upload files over the network through an encrypted connection using TLS.
9. The software must store files encrypted using AES256 encryption.

Administration:

1. The software must allow an administrator to create user accounts without a quantity limit.
2. The software must have a feature to create multiple user accounts from a CSV file.
3. The software must be able to close and re-open accounts to prevent access to file without affecting data by removing any file information linked to the account.
4. The software must allow an administrator to directly change a user's password or to send the user a password reset request for the user to create a new password.
5. The software must allow an administrator to individually configure permissions for each user including the ability to manage devices, manage upload stations, manage categories, manage tags, manage users, manage groups, view pending deletion reports, view device usage reports, manage site settings, upload directly from web, can be assigned to device, approve deletion requests, view own documents, share own documents, add/edit metadata on own documents, and download own documents.
6. The software must provide at least 3 system user groups: A site administrator group, delete approver group, and a standard user group.
7. The software must allow an administrator to create a custom group with custom names and permissions.
8. The software must allow an administrator to assign each user to a group.
9. The software must allow an administrator to configure each user account to be set individually if that user account is able to view, share, download, or edit files from another group.
10. The software must allow an administrator to create custom categories to assign to uploaded media; each category must allow a retention cycle of any number of days to be set.
11. The software must have a provision to allow an administrator to set a retention period in days for files that are uploaded and not reviewed by an end user for adding of categories and tags.
12. The software must allow an administrator to create custom tags that can be assigned to files as metadata.
13. The software must allow an administrator to view all devices by type and quantity as well as disable/enable uploads from any specific device.
14. The software must allow an administrator to set and modify the users assigned to each device.
15. The software must allow an administrator to set a unique name for each device.
16. The software must allow an administrator to set/modify settings assigned for each BODYCAM® BC-300 device that is connected individually or by group.

Review/Playback:

1. The software must require no applications or plugins to be installed on the end user device for viewing of files.
2. The software end user interface must be web based that can be used on any current browser with special plugins. Software that limits functions to certain web browsers will not be accepted.
3. The software must allow the end user full functionality regardless of the end device type. Complete end user functionality must be available using at least the following device operating system types: Windows, Android, iOS, Mac OS, and Linux.
4. The software end user web interface must always use a secure HTTPS connection.
5. The software end user web interface must have a unique home page for the current logged-in user that displays any files that have been uploaded from a device assigned to the user that require tagging, as well as any files currently shared to user or shared by the user.
6. The software end user interface must have a simple file tagging interface to allow users to add titles, descriptions, categories, and tags to files individually or by a selected group.
7. The software end user interface must have a simple search function that searches all data fields in all files available to the set user permission level.
8. The software must have an advance search filtering function to allow an end user search through files available with the set permission level. The search filters must include no less than by category, shared by me, shared with me, deleted, requires initial tagging, marked as important, by specific user(s), by specific group(s), as well as within a specific date/time range.
9. The software end user interface must be able to display file times in both UTC and in the local time zone of the current user account.
10. The software end user interface must allow a user to create a redacted version of the original file while still leaving the original file. The redaction function must allow do less than, cropping the video track, cropping/removing the audio track, and blurring the entire video by a selectable percentage.
11. The software end user interface must provide a user with the ability to share a file within the software to another user that previously was not allowed access; this sharing feature must:
 - a. Allow the file to be shared to another user with an account within the software.
 - b. Allow the file to be shared to an email address allowing a user without an account to create one and be granted access to the file.
 - c. Track and store the history of file access.
 - d. Set permission of the file to the user in which it was shared, allowing no less than viewing, downloading, adding metadata, and sharing to another user options.
 - e. Allow an expiration date and time to be set on the file to revoke file access at the set time.
12. The software end user interface must have a help page with both documentation and videos to aid users in understanding and using various functions of the software.
13. The software end user interface must allow direct file uploads of any file type through the web.
14. The software end user interface must allow a user to access reports for pending deletion, device usage, and awaiting delete approval to users with proper permissions.
15. The software end user interface must have a feature to lock a file from deletion that overrides a preset retention period set by tagged categories.
16. The software end user interface must allow a user to run an audit report for each file in PDF format that displays every file action that has occurred within the software including the date, time, and user account of each action. The actions listed in the report will include at least the initial upload, adding of metadata, modification of metadata, return in search result, viewing of file, downloading of file, creating redactions of the file, creating audit report for the file, as well as deletion of the file.
17. The software end user interface must allow a user to see all file metadata, as well as create an audit report on a file even after it has been deleted by the system.
18. The software end user interface must have a unique page for each file that displays all data relating to the file including at least the file title, file name, date/time of file creation, date/time of file upload, size of file, SHA-2 256 Hash of file, assigned owner of file, description (if set), assigned categories (if set),

assigned tags (if set), current users with shared access to the file, projected deletion date of the file, file lock status, as well as any redactions created of the file.

19. The software must provide a low bitrate transcoded stream for HD video files, in addition to the original file, to provide the end users with quicker loading and lower bandwidth usage.

General:

1. The software must include a deployment/training session to ensure the system is operational after purchase for no additional cost.
2. The software and the end user interface must periodically be penetration tested for security and be updated accordingly.
3. The software must include automatic updates for fixes and new features for the life of the service contract at no additional cost.
4. The software must utilize Microsoft® Azure® as the cloud storage service provider.
5. The software must be CJIS-compliant cloud storage solution for US Government customers.

JEFFERSON COUNTY – PROPOSAL DOCUMENTATION



DEPARTMENT OF ADMINISTRATIVE SERVICES

729 MAPLE ST / PO BOX 100

HILLSBORO MO 63050

WWW.JEFFCOMO.ORG

ID #: 18-0055

Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM Date Issued: 7-18-2018
CAMERA AND RECORDING SYSTEM 2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00
P.M. LOCAL TIME.

Specification

Contact:

LT. WILLIAM DUNN

Department of the Jefferson County

Sheriff

636-797-5526

wdunn@jeffcomo.org

Contract

Contact:

VICKIE PRATT

Department of Administrative Services

636-797-5380

SAMPLE ENVELOPE

Mail (3) Three
Complete
Copies With
Vendor And
Proposal
Information As
Shown In
Sample:

VENDOR NAME

VENDOR ADDRESS

CONTACT NUMBER

DEPARTMENT OF THE COUNTY CLERK
JEFFERSON COUNTY MISSOURI
729 MAPLE ST / PO BOX 100
HILLSBORO MO 63050-0100

SEALED PROPOSAL: (PROPOSAL NAME)

Contract Term:
upon approval
by the County
Council and
County
Executive

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

Voice Products Inc.
Company Name

Stuart G. Peters
Authorized Agent (Print)

8555 E. 32nd St. N.
Address

Stuart G. Peters
Signature

Wichita, KS 67226
City/State/Zip Code

Vice President
Title

800.466.1152
Telephone #

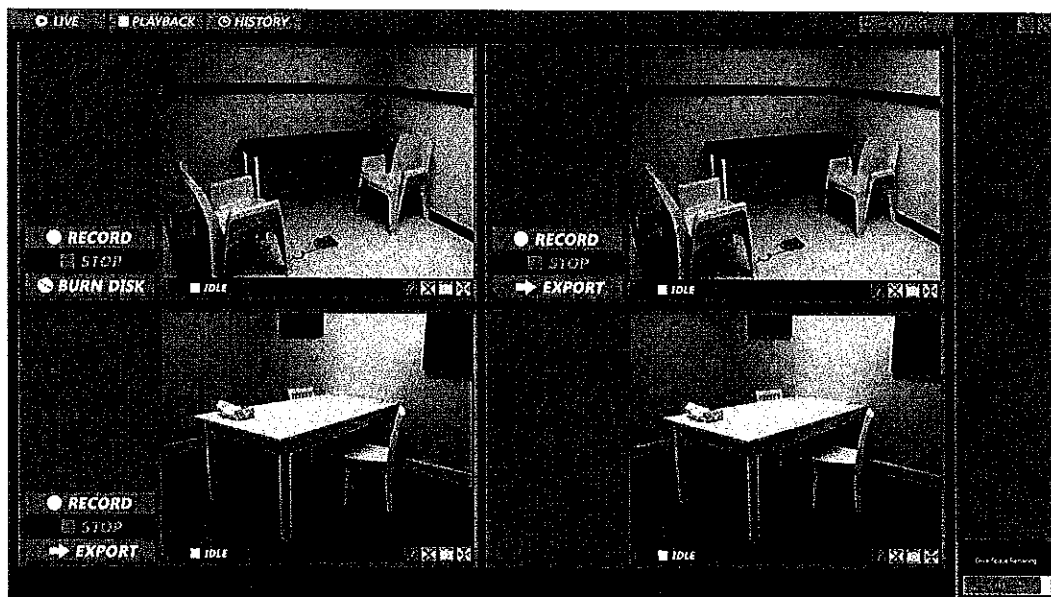
8/9/2018 48-1085093
Date Tax ID #

speters@voiceproducts.com
E-mail

316.263.1823
Fax #

PROPOSED SOLUTION OPTION 1 – ENCORE

Voice Products Inc. is proposing Encore for Jefferson County Sheriff's interview room recording needs. This solution includes one mic and one Axis dome camera. The Encore system can record up to 16 channels (cameras) per box in full 1080p. Encore also supports Zipstream, an Axis compression algorithm that significantly reduces the amount of bandwidth and storage space needed for recordings. Encore also supports edge recording, which means the Axis camera has an SD card to which it can continue to record audio and video in the unlikely event the main Encore system fails. The Encore system is easy to use and dependable allowing users to focus on conducting interviews rather than on the technology itself.



Additional features include:

- Supports unlimited users
- Clip builder – used to build an export of recordings, redacted recordings (created from a copy of the original recording), notes and history
- Searchable metadata and notes
- Chain of evidence (audit trail)
- Channel linking – better than picture-in-picture (PIP) for two cameras in one room, channel linking provides the ability to record two separate video files but linked together. The videos can be watched simultaneously and, when exported, the user selects the size and position of both recordings for the PIP export.

Encore requires minimal training so users can begin recording, redacting and exporting right away. The proposed solution includes user training; however, if any users feel they need a refresher, or if new users are hired, additional remote training is available at no cost as long as the Jefferson County Sheriff's Office maintains a current service agreement on the Encore system.

PROPOSED QUOTE - ENCORE

Encore 1-Room Interview Recording Solution

Part #	Qty	Description	Unit Price	Total
ENC-SRVR	1	Dell T3620 MiniTower. Includes Win10 Pro x64, Intel Core i7 (Quad Core, 3.4GHz), 8GB RAM, 16x DVD+RW, 2 2TB SATA HDDs in RAID1, Warranty: 3-Yr Basic, 3-Yr NBD Onsite	\$1,900.00	\$1,900.00
ENC-MON	1	Dell 22" Widescreen Monitor	\$210.00	\$210.00
VP-KM	1	Keyboard and Mouse	\$100.00	\$100.00
ENC-BASE	1	Encore Base License (1 Channel Included)	\$3,832.00	\$3,832.00
P3375-V	1	HDTV - 1080p, day/night, fixed dome with discreet vandal-resistant indoor casing, 3-10mm Varifocal, Digital PTZ, Edge Recording	\$865.00	\$865.00
MEMORY CARD	1	Axis 64GB Memory Card	\$118.00	\$118.00
PZM-11LL	1	Crown Pressure Zone Microphone w/ Built-in Pre-Amp (Requires 12V Power from Encoder or Power Supply)	\$199.00	\$199.00
GS110TP-200NAS	1	Netgear POE Network Switch (8 PoE/8 Total)	\$295.00	\$295.00
PSA 1000	1	UPS (Uninterruptible Power Supply) 1000VA	\$185.00	\$185.00
INSTALL-TRAIN	1	Cabling, Installation and Training	\$1,750.00	\$1,750.00
Encore Solution Total				\$9,454.00

Anticipated delivery date approximately 6 weeks ARO

General Maintenance Agreement (GMA) Software and Hardware, M-F 8x5	Standard (M-F 8x5)	Standard (M-F 8x5) Paid in Advance
Year One (1) ----- Warranty	Included	Included
Year Two (2)	\$1,386.00	\$1,386.00
Year Three (3)	\$1,483.00	\$1,386.00
Year Four (4)	\$1,586.00	\$1,386.00
Year Five (5)	\$1,697.00	\$1,386.00
Total if Paid Year to Year	\$6,152.00	
Total Pre-Paid 5-Year Maintenance Discount - Savings of \$608.00 if Paid in Advance		\$5,544.00

Voice Products also provides 24x7 support, which is charged on an hourly basis outside Standard GMA hours. An Extended GMA plan for 24x7 support is also available. Please contact Voice Products for more information.

Estimated Budgetary Lease Rates with General Maintenance Agreement (GMA)		
	Monthly Payment	Annual Payment
5-Year Term Lease	\$290.06	\$3,410.85

Advance payment may be required for lease. Equipment is OWNED at end of lease.

PROPOSED SOLUTION OPTION 2 – iRECORD

Voice Products Inc. is also proposing the one-room iRecord Universe for Jefferson County Sheriff's interview room recording needs. This solution includes one mic and one Axis dome camera. The iRecord Universe system can record up to 2 channels (cameras) in the one-room system in 720p and is capable of scaling up to a four-room system with a total of eight cameras (two per room). The iRecord Universe system is easy to use with its "One-Touch Recording" approach.



Additional features include:

- Non-proprietary Windows media files and MP4 recordings
- Redaction
- Chain of evidence audit trail
- Picture-in-picture (PIP) for multiple cameras in one room
- Enterprise – additional software that supports unlimited browsers and archiving to a central server

The iRecord Universe requires minimal training so users can begin recording, redacting and exporting right away. The proposed solution includes user training; however, if any users feel they need a refresher, or if new users are hired, additional remote training is available at no cost as long as the Jefferson County Sheriff's Office maintains a current service agreement on the iRecord system.

PROPOSED QUOTE - iRECORD

iRecord Universe 1 Room Recording System for Interviews

Part #	Qty	Description	Unit Price	Total
IR-Universe (1A)	1	iRecord Universe Turnkey Recording System (1 Rm)	\$6,035.00	\$6,035.00
AX-P3374	1	Axis 3374 IP Camera	\$865.00	\$865.00
SM5EA-PE-SS-LN	1	Universal Omnidirectional Pre-amplified Microphone	\$199.00	\$199.00
PSA 1000	1	Uninterruptible Power Supply 1000VA	\$185.00	\$185.00
MON22	1	Viewsonic 22" LCD Monitor	\$210.00	\$210.00
COMPSPKRS	1	Computer Speakers	\$45.00	\$45.00
NESW-16PM	1	16-Port Managed Network Switch (8x PoE)	\$295.00	\$295.00
INSTALL-TRAIN	1	Cabling, Installation and Training	\$1,750.00	\$1,750.00
iRecord Solution Total				\$9,584.00

Anticipated delivery date approximately 6 weeks ARO

General Maintenance Agreement (GMA) Software and Hardware, M-F 8x5	Standard (M-F 8x5)	Standard (M-F 8x5) Paid in Advance
Year One (1) ---- Warranty	Included	Included
Year Two (2)	\$1,410.00	\$1,410.00
Year Three (3)	\$1,508.00	\$1,410.00
Year Four (4)	\$1,613.00	\$1,410.00
Year Five (5)	\$1,725.00	\$1,410.00
Total if Paid Year to Year	\$6,256.00	
Total Pre-Paid 5-Year Maintenance Discount - Savings of \$616.00 if Paid in Advance		\$5,640.00

Voice Products also provides 24x7 support, which is charged on an hourly basis outside Standard GMA hours. An Extended GMA plan for 24x7 support is also available. Please contact Voice Products for more information.

Estimated Budgetary Lease Rates with General Maintenance Agreement (GMA)		
	Monthly Payment	Annual Payment
5-Year Term Lease	\$294.43	\$3,462.24

Advance payment may be required for lease. Equipment is OWNED at end of lease.

Optional Item				
Part #	Qty	Description	Unit Price	Total
IR-ENTERPRISE-E	1	iRecord Universe Enterprise (supports unlimited browsers and archiving to a central server)	\$4,185.00	\$4,185.00

SV

PROPOSED INSTALLATION PLAN

IMPLEMENTATION TIMELINE

The table below is a high-level overview of a typical project time line relative to the contract signature date and equipment delivery. Bear in mind that each project is unique, and that the complexity and scope are determined by the customer environment, which will ultimately affect the project time line. The time line for each project will be provided by the Voice Products Inc. Project Manager.

Task	Approximate Completion Date
Contract Signed by Customer	Day 'X'
PM assigned – Internal Transition Meeting Completed	X + 1 Week
Project Kick-off Meeting and Site Survey	X + 2 Weeks
Hardware provided to Voice Products Inc. for Staging	X + 4 Weeks
System Staging	X + 5 Weeks
Site Readiness Verified	X + 5 Weeks
On-Site Deployment	X + 6 Weeks
Transition to Customer	X + 7 Weeks
Project Wrap Up	X + 8 Weeks

PROJECT INITIATION

Upon execution of a signed sales order, the Manager of Professional Services will be notified and a Project Team will be assembled. The Project Initiation phase will include a review of the key required documents as well as an internal project transition meeting as outlined below.

Sales Package Complete

The Sales Package, provided by the Voice Products Inc. Solutions Engineer, includes a series of documents which provide an overview of all technical aspects of the solutions design in accordance with the sales order. The content of these documents will be internally reviewed for completeness and accuracy and will play a critical role in identifying project scope, deliverables and resource requirements for both Voice Products Inc. and the Customer.

Statement of Work Executed (where applicable)

Determined by the scope and complexity of the project, a Statement of Work may be provided by the Voice Products Inc. Project Manager. The goal of the Statement of Work is to clearly define the requirements specified by the customer environment, as well as the related deliverables. The execution of this document will ensure effective project and resource planning for both Voice Products Inc. and the Customer. In the event there are

modifications or additions to the scope, where necessary, the Voice Products Inc. Sales Manager will be re-engaged to assist in the change management process.

Internal Project Transition Meeting

The Voice Products Inc. Project Manager will conduct an internal project transition meeting with the Solutions Engineer, Technical Engineer, and Service Coordinator to review the Sales Package and other related documentation in preparation for the project. This meeting will prepare the Project Manager relative to project scope and expectations prior to proceeding with customer contact.

IMPLEMENTATION PLANNING

The Implementation Planning phase will include the steps outlined below.

Project Kick-off Meeting and Site Survey

Depending upon project scope and complexity, this meeting may be held at the Customer site or via conference call when appropriate. In most cases, a Voice Products Inc. Technical Engineer will be on site to conduct the site survey. The participants must include the key members of the project teams assembled by both the Customer and Voice products Inc. The fundamental objectives are outlined as follows:

- Review of the System and Applications purchased
- Clear understanding of the objectives and customer expectations for the project
- Overview of the estimated installation and training timeline
- Review of the expectations of the customer to ensure site readiness (System Diagram, Customer to Provide, Site Prep Guide)
- Review of the Customer and Voice Products Inc. Resource requirements necessary to insure a successful project
- Any additional questions or topics that need to be discussed
- Site Survey

Project Plan

The Project Plan is a working document that details the overall plan for accomplishing the project. The project plan will identify Voice Products Inc. and Customer responsibilities, assigned resources and associated timeline. The Voice Products Inc. Project Manager owns the Project Plan and will update and communicate changes as necessary during the life cycle of the project.

Site Readiness Achieved and Verified

Site readiness requirements are first discussed at the Project Kick-off Meeting through the use of a Customer to Provide document, as well as a Site Prep Guide. The Voice Products Inc. Project Manager provides the customer with these items, which are to be completed prior to the commencement of the on-site deployment. Depending on the project scope and complexity, in addition to the customer's environment, additional items may be added as required. Prior to the on-site deployment, an audit will be conducted to validate site-readiness has been achieved. **Resources will only be deployed to the site if this step has been completed successfully.**

ON-SITE DEPLOYMENT

The On-Site Deployment phase will include Product Installation, Configuration and Training as outlined below.

System Installation & Configuration

The installation and configuration of the core system hardware and software components is completed by the assigned implementation Technical Engineer. In the event remote support is required, the access must be provided to the Support Technical Engineer prior to the commencement of the deployment. The duration of the on-site deployment varies based upon the system size and configuration and will be outlined by your Project Manager. The Technical Engineer(s) will be working closely with your IT, Telephony, and Business Line resources throughout the deployment. Upon completion of the physical deployment of the system, the Technical Engineer will test the features of the system as applicable to verify functionality, and upon completion request the Completion of the Customer Sign Off form. Following the completion of the Customer Sign Off form, the customized Training will commence.

Training

Training is a critical part of the implementation cycle, and is customized for each customer's environment depending on the complexity and scope of the deployment. The training agenda typically includes the following training sessions:

- Navigation and User Interface
- System Tools
- Support and Maintenance
- Operational Best Practices

Voice Products Inc. offers many learning paths depending on the solution set and the Customer's role within their organization. Training engagements can include classroom and hands-on system training at the Customer's facility. Training may also be conducted utilizing an online screen sharing service. (GoToMeeting, Webex.) Courses vary from ½ day to 5 days, depending on complexity and scope and it is essential that people who will be using the system on a daily basis attend the appropriate classes for their solution set prior to system operation so that they are prepared to manage and operate their system. Your Project Manager will review different training options at the outset of the project to assure that training can be scheduled for the right people at the appropriate time in the project.

PROJECT CONCLUSION

Solution Transition to Customer

Upon completion of the On-Site Product Implementation and Configuration the deployed solution will be transitioned to the Customer. At this point, all aspects of the solution will have been tested and the system will be production ready. The designated System Owner, having completed the necessary Voice Products Inc. training, will begin their role of managing the system at this point.

Project Closure Meeting

The Project Manager and Technical Engineer will conduct a Project Closure Meeting with the Customer to ensure that all deliverables have been satisfied and to signify the closure of the project.

Customer Service and Maintenance

The Voice Products Inc. Support Services department will be responsible for handling any issues encountered with the system after project closure, and the designated System Owner will have received a detailed Maintenance/Warranty guide outlining appropriate escalation procedures going forward.

7. PROPOSAL PACKAGE

Vendors must submit a response in the form of a proposal which includes the following sections:

- A. References
- B. Technical Proposal

This portion of the proposal must address each item listed below:

1. Introduction
 - a. Company Profile
 - b. Company achievements in providing interview room solutions.
2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.
3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system:

Encore: \$9,454.00;

iRecord: \$9,584.00.

ORIGINAL



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
729 MAPLE ST / PO BOX 100
HILLSBORO MO 63050
WWW.JEFFCOMO.ORG

BID #: 18-0055

Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

**Specification
Contact:**

LT. WILLIAM DUNN
Department of the Jefferson County Sheriff
636-797-5526
wdunn@jeffcomo.org

**Contract
Contact:**

VICKIE PRATT
Department of Administrative Services
636-797-5380

**Mail (3) Three
Complete Copies
With Vendor And
Proposal
Information As
Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME
VENDOR ADDRESS
CONTACT NUMBER **DEPARTMENT OF THE COUNTY CLERK**
JEFFERSON COUNTY MISSOURI
729 MAPLE ST / PO BOX 100
HILLSBORO MO 63050-0100
SEALED PROPOSAL: (PROPOSAL NAME)

**Contract Term:
upon approval by
the County Council
and County
Executive**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

Turn-Key Mobile, Inc.	Michael Southard
Company Name 210 Prodo Drive	Authorized Agent (Print)
Address Jefferson City, MO 65109	Signature Owner/President
City/State/Zip Code 573-893-9888	Title 20-1034351
Telephone # mike@turnkeymobile.com	Date Tax ID #
E-mail	314-754-9794 Fax #

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$6,975.25

Proposed costs of interview room includes:

Panasonic Arbitrator MK3 Interview Room Kit with power supply and pre-amp wired mic

Panasonic 1080p Indoor Dome Network Camera Panasonic 1yr ICV, UEMS1, On Prem Storage Bundle Per Device, Includes Helpdesk Support & Deployment, EULA Required

Includes 2 days:

Installation

Software and firmware updates

Server, Client, Vehicle and Network Configuration Training

Testing

Warranty Support for 30 days after completion of project integration

Travel

JEFFERSON COUNTY SHERIFF INTERVIEW ROOM CAMERA & RECORDING SYSTEM PROJECT PLAN			
Name of Tasks		Duration (Hours)	Notes
PROJECT IMPLEMENTATION PLAN		228.50	Hours in duration column
Project Initiation			
Review Contract			TKM requirements...
Review Project Statement of Work			
Review Enterprise Environmental			Network...
Project Management		4.00	
Review of RFP		2.00	
Create Project Plan		1.00	
Request resources		0.50	
Assignment of Resources		0.50	Assignment of resources: 1 hr + 8 hrs lag time
Project kickoff meeting		2.00	
Define roles and responsibilities		1.00	Performed at same Project Kickoff meeting
Finalized Service Document task list/responsibilities		1.00	TKM Tasks
Scope Management		0.50	
Weekly review meeting/conference call		0.50	2 conference calls; documentation
Project Change Control		??	TBD
Document Request			TBD
Review requests			TBD
PM's determine acceptance			TBD
SOW change required?			TBD
Notification of changes approved to staff			TBD
Project Implementation Document, Time Line & Schedule		168.00	TKM Tasks
Meet with Purchasing Team		0.50	TKM Tasks

JEFFERSON COUNTY SHERIFF INTERVIEW ROOM CAMERA & RECORDING SYSTEM PROJECT PLAN

Name of Tasks		Duration (Hours)	Notes
Order product		167.50	TKM Tasks
Order placed		0.50	TKM Tasks
Monitor order status		166.75	TKM Tasks + 20 days maximum elapsed time for order to be received from manufacturer
Product received		0.00	TKM Tasks
Order correct		0.25	TKM Tasks
Scope of project		47.75	
Work Environment			-Conference Room or training room available for team to review and follow work being performed....
Network connectivity established		8.00	Confirmation of Network Connectivity between agencies and server location is sufficient for network traffic to handle.
Configuration Meeting at Agency/conference call		8.00	
Qualified resources assigned		16.00	8 hrs lag
IT Staff person decision maker			Need from Agency
IT Staff person with security access			Need from Agency
Staff member responsible for Policy			Need from Agency
Arbitrator Admin assigned			Need from Agency
Workstation for viewing video			Need from Agency
Workstation/Server for UEMS software			Need from Agency
Installation and Training		3.00	
Equipment received at TKM prior to training		1.00	

JEFFERSON COUNTY SHERIFF INTERVIEW ROOM CAMERA & RECORDING SYSTEM PROJECT PLAN			
Name of Tasks		Duration (Hours)	Notes
	Training schedule setup prior to training	1.00	Agency will need to provide space for training-could be interview room being installed
	Verify Arbitrator installed and ready for training	1.00	TKM Tasks along with Agency personnel
	Training and Installation at Agency	20.75	
	Planning meeting	8.00	On site during project kick off (hrs incld above)
		0.50	TKM Task
	Schedule training on System	0.25	customer
	Publish training schedule		
	Create evidence storage locations with retention policies	2.00	TKM Task working with customer
	Setup Levels of Authorization, Groups and Permissions for end-users, create classifications	1.00	TKM Task working with customer
	Setup server software and validate	1.00	TKM Task working with customer
	Testing of system performed	2.00	TKM Task
	Train End-users	2.00	TKM Task
	Train Administration Staff (Chief/Sheriff, Senior Staff)	2.00	TKM Task
	Train Evidence/Discovery users	2.00	TKM Task
		8.25	
Project Completion and sign off			
	Network connectivity established		TKM; Agency
	Hardware install completed		TKM; Agency
	Software install completed		TKM; Agency
	Training completed		TKM; Agency
	Outstanding issues reviewed	8.00	These three tasks performed at same time
	Issues resolved	8.00	
	Project Sign Off	8.00	

JEFFERSON COUNTY SHERIFF INTERVIEW ROOM CAMERA & RECORDING SYSTEM PROJECT PLAN			
Name of Tasks		Duration (Hours)	Notes
Project Closed		0.25	TKM PM



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
729 MAPLE ST / PO BOX 100
HILLSBORO MO 63050
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BID #: 18-0055

Request for Proposal: **SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018**

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

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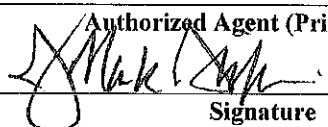
SAMPLE ENVELOPE

VENDOR NAME	
VENDOR ADDRESS	
CONTACT NUMBER	DEPARTMENT OF THE COUNTY CLERK
	JEFFERSON COUNTY MISSOURI
	729 MAPLE ST / PO BOX 100
	HILLSBORO MO 63050-0100
SEALED PROPOSAL: (PROPOSAL NAME)	

**Contract Term:
upon approval by
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The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

COBAN Technologies, Inc.	Mark Griffin
Company Name	Authorized Agent (Print)
11375 W. Sam Houston Pkwy. S. #800	
Address	Signature
Houston, Texas 77031	VP of Sales and Marketing
City/State/Zip Code	Title
281-925-0488	08/10/2018 01-0593612
Telephone #	Date Tax ID #
Sales@cobantech.com	281-925-0535
E-mail	Fax #

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$23,905.00
Please see attached Detailed
Quote for more information.

A handwritten signature in black ink, appearing to be 'JMD', is written over a horizontal line.



Quotation Expiration: 60 Days
 Terms: Net 30 Days
 FOB Point: Destination

Prepared for: Jefferson County SO, MO
 Bid # 18-0055
 Sheriff's Office Interview Room Camera and Recording System 2018

Quote #	Date
JCSO-20180810-CIN01	8/10/2018
Prepared by:	

Mark Griffin / Cindy C.

ON PREMISE BACK OFFICE STORAGE AND ARCHIVAL		Quoted	Quantity	Total
BSVR-01	PowerEdge T130 Server Server will be set up with RAID1 partitioned for OS (200GB), SQL (300GB) and RAID5 for Video Storage (1.9TB). PD RAID Size: RAW – 4TB; Usable – 1.9TB Hard Drives (4) 1TB 7.2K RPM SATA 6Gbps 3.5in Cabled Hard Drive Systems are tower form Factor. No drive expansion slots available. The UPS requires a 5-15R power receptacle.	\$ 3,784.00	Optional	
BUPS-01	APC Smart-UPS 1000VA Tower -120V	\$ 175.00	Optional	
INTERVIEW ROOM SOLUTION		Quoted	Quantity	Total
SYSIN-06-I	IP INTERVIEW RM SOLUTION - Interview Room Solution Software - Initial Year Maintenance	\$ 5,875.00	1	\$ 5,875.00
INT-CAM107	INT IP DOME CAMERA INT IP & MIC BUNDLE	\$ 1,125.00	2	\$ 2,250.00
INT-CAM112	INT COVERT (PINHOLE, NO ENCLOSURE) CAMERA W / ENCODER BOX AND EXTERNAL MICROPHONE	\$ 1,368.00		\$ -
BMIS-14	IP INTERVIEW ROOM RFID TRIGGER - READER	\$ 395.00	1	\$ 395.00
BMIS-16	IP INTERVIEW ROOM KEY FOB 125 KHz HID (qty of 10 KEY FOB)	\$ 75.00	1	\$ 75.00
BMIS-17	IP INTERVIEW RM RFID ENROLLMENT /ISSUER	\$ 250.00	1	\$ 250.00
WMAIN-121	COBAN IP INTERVIEW ROOM SOFTWARE MAINTENANCE (Software Maintenance and Technical Support) (Annual Renewal Required)	\$ 2,155.00	4	\$ 8,620.00
WLIC-18	INTERVIEW ROOM SOFTWARE / CAMERA FIRST YEAR LICENSE (PER CAMERA)	\$ 245.00	2	\$ 490.00
WMAIN-116	INTERVIEW ROOM SOFTWARE / CAMERA RENEWAL (PER CAMERA) (Annual Renewal Required)	\$ 245.00	8	\$ 1,960.00
WIR-21	CISCO SG300-10P 8 port, PoE, Gigabit SWITCH w. 3 YEAR WARRANTY	\$ 450.00	1	\$ 450.00
BACK OFFICE SETUP CONFIGURATION AND SERVICES		Quoted	Quantity	Total
LSET-17	BACKOFFICE SETUP PACKAGE A Project Deployment Single Platform Onsite / Remote Project Implementation (2 days) (Incl. Onsite Back Office Configuration, Setup, and Training)	\$ 2,995.00	1	\$ 2,995.00
WMAIN-103	COBAN MISSION CRITICAL SUPPORT 24/7 SUPPORT - 5 YEARS (Annual Renewal Required)	\$ 100.00	5	\$ 500.00
SHIPPING		Quoted	Quantity	Total
LFEE-050	SHIPPING - In-Car Equipment / DELL / HAVIS/ Interview Room	\$ 45.00	1	\$ 45.00

5 YEAR HARDWARE AND SOFTWARE

Subtotal \$23,905.00
 Taxes (if applicable)
GRAND TOTAL \$23,905.00



COBAN Technologies, Inc.
11375 W. Sam Houston Parkway S., STE # 800
Houston, TX 77031
281.925.0488

IP Interview Room Deployment Package – Check List

Please carefully review the following IP interview Room Pre-Requisites Section 1 to 9 prior to the COBAN Kick-Off Meeting. Section 10 and 11 is reserved for onsite completion. Failure to comply with the Pre-Requisites may result in delay of the project.

1. Agency Information (To be completed by CUSTOMER)

Agency Name:	Email:
Project Contact:	Cell Number:
Phone Number:	Email:
IT Contact:	Cell Number:
Phone Number:	Email:
IT Contact:	Cell Number:
Phone Number:	

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2. Minimum Server Specifications

If COBAN is providing the server, skip to Minimum Client Workstation Specifications

If CUSTOMER is supplying the server where COBAN DVMS/Command Center will be installed, verify and confirm the server meets the following minimum specification:

<i>Operating System</i>	Windows Server 2012 or higher (64 bit if RAM exceeds 4GB)
<i>Database Server</i>	Microsoft SQL Server 2012 R2 or 2014
<i>Processor</i>	XEON E5-2609 or higher (Quad Core)
<i>Memory</i>	16 GB RAM or higher
<i>Graphics Card</i>	512 MB Graphics Card
<i>USB Port</i>	4 USB 2.0 port for upload cradle (Mobile HDD upload/download & Automated DVD)
<i>Hard Drive</i>	500 GB Free Hard Disk Space or higher Operating system and Database drives should be deployed in a RAID 1 mirror RAID array. (It is recommended that these drives be separate from the video data drives for additional redundancy. Video data storage drives should be deployed in a RAID5+1 hot spare configuration.) (See section titled Video Storage Recommendations for more information on video storage)
<i>Ethernet</i>	Active Gigabit Ethernet Connection with assigned static IP address (Minimum of 2)
<i>Power Supply</i>	Redundant Power Supply
<i>Additional software</i>	<ul style="list-style-type: none">- VLC 2.0.5- Silverlight (if using Command Center client)- .Net Framework 4.5.1 or higher- .Net Framework 3.5
<i>Additional requirements for DVD Burning</i>	<ul style="list-style-type: none">- DVD R/RW /CD R/RW +/- Drive- 4 GB RAM or higher- We do not recommend that agencies burn DVD's directly from the server.

Video Storage Recommendations:

The amount of storage space required for the solution can vary greatly from agency to agency. For example, 4 TB of storage space can be more than sufficient for one agency, but not enough for another.

Consider the following when calculating storage space:

- Number of Recording devices (Body Worn, In-car, Interview Room)
- Number of Shifts per day the devices will be used
- Number of Hours of video recorded per device per shift
- Data of Video per hour recorded (file size: SD, HD, etc.)
- Number of Days the video will be retained

The formula is:

$$R \times S \times H \times V \times D$$

The following is an example of how to calculate storage:

An agency has 20 Body Worn cameras that are used on a single shift per day and records on average 2 hours of video per shift. The video size is 2.5 GB per hour and will be stored on the server for a minimum of 90 days.

The amount of storage for this sample agency would be approximately 9 TB or 9,000 GB ($20 \times 1 \times 2 \times 2.5 \times 90 = 9000$).

Server Details (Required)

Server Name:		IP Address:	
Subnet Mask:		Gateway:	

Storage Details (Required)

Primary Storage Brand		Model	
Individual Disk Size:		Total / Available Slots	
RAID Type	Raid 5 () Raid 6 () Raid 50 ()	Disk Type	SAS () SATA () FIBER ()

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3. Additional Recommendation for VM

When provisioning your virtual server, please create your server using as close to the provided specifications as possible. This will ensure the most success with your back-end Server. Our minimum processor core requirement is four cores.

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4. Minimum Client Workstation Specifications

	Required	Recommended
Operating System	Windows 7 Professional SP1	Windows 7 Professional SP1
Processor	Core 2 DUO, 2.2GHz or higher	Intel Core i5
Memory	2 GB RAM	4 GB RAM or higher
Graphics Card	64 MB Graphics Card	1 GB Graphics Card (for HD quality playback)

USB Port	2 USB 2.0 port for upload cradle (Mobile HDD upload/download)	4 USB 2.0 port for upload cradle (Mobile HDD upload/download & Automated DVD)
Hard Drive	320 GB Free Hard Disk Space	500 GB Free Hard Disk Space or above
Ethernet	Active Gigabit Ethernet Connection	Active Gigabit Ethernet Connection
Additional software	<ul style="list-style-type: none"> ▪ VLC 2.0.5 ▪ Silverlight (if using Command Center client) ▪ .Net Framework 4.5.1 or higher ▪ .Net Framework 3.5 	
Additional requirements for DVD Burning	<ul style="list-style-type: none"> ▪ DVD R/RW /CD R/RW +/- Drive ▪ 4 GB RAM or higher 	

☐ **CUSTOMER CONFIRMATION**

5. COBAN Redact Minimum System Requirements

Operating System	Windows 10 Pro, Enterprise or Education V.1607 or higher
Database Server	Microsoft SQL Server 2012 R2 or 2014
Processor	Intel i7 5820k or higher, 6 or 8 cores, or higher Intel i7 Extreme 3960x or higher
Memory	8 GB RAM, or 1GB per available processor core
Monitor Display	Screen resolution of 1280x800 or higher

NOTE: The application has been optimized to efficiently scale in a multicore environment. For best performance, particularly when working with long videos, a 16+ core system and 1 gig of memory per core is recommended.

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6. Cloud Solution

COBAN Cloud has two main components: *Cloud Player* and *Cloud Storage*

Cloud Player

The Cloud Player is a secure website to allow the COBAN client or Courier recipient to playback or download the shared video file(s). To access Cloud Player, the client computer must have access to port 443 (HTTPS) for the cloudplayer.cobancommandcenter.com and the URL for your provided Azure storage account <ID>.blob.core.usgovcloudapi.net (where <ID> is your provided storage account name).

Cloud Storage

Server Requirement:

For the DVMS/Command Center server to send files to Cloud Storage/COBAN Courier, the server must have access to the following:

- cloud.cobancommandcenter.com (13.72.190.14, 52.227.177.223) using TCP port 8001
- *.cobancommandcenter.com using TCP port 443 (HTTPS)
- <ID>.blob.core.usgovcloudapi.net (where <ID> is your provided storage account) using TCP port 443 (HTTPS)

NOTE: Verify that required firewall or proxy servers are configured to allow access to these network resources.

Workstation Requirement:

- Access to *.cobancommandcenter.com using TCP port 443 (HTTPS)
- Access to <ID>.blob.core.usgovcloudapi.net using TCP port 443 (HTTPS) (where <ID> is your provided Storage ID)

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7. Customer Responsibilities

1. Unless agreed to prior deployment, CUSTOMER is responsible for all installation and termination of the required cabling based on design requirements provided by COBAN.
2. Unless agreed to prior deployment, CUSTOMER is responsible to procure the back-end infrastructure equipment (such as, the Server, Raid Disk Hardware, Transfer Workstation, etc.).
3. Server Storage space must be allocated based on Customer's retention requirements. (Estimated file sizes are between 1GB – 2.4GB per camera per hour depending on which format and bit rate are selected)
4. Customer to provide Gigabit/CAT6 or better connectivity from the PoE Switch to the COBAN Server.
5. Unless agreed to prior deployment, CUSTOMER to provide the necessary UPS backup for the PoE Switch and Server.
6. Provide specific camera and RFID reader dedicated VLAN to access the server and storage.
7. Provide Routes for the RTSP Live views outside of the VLAN from the cameras to the workstations that will view and control the cameras via the Firefox web browser.
8. Provide COBANs Project managers with VLAN information, static IP addresses for each IP camera, PoE switch and server prior to shipping the equipment from COBAN.
9. Microsoft Silverlight V.5, COBAN security certificates, registry settings and trusted sites installed on each workstation that will use COBAN Command Center to control, search, and live view video.
10. CUSTOMER is responsible to Identify, collect, and provide input information on legislation that would impact the development of video data retention policies.
11. CUSTOMER is to receive delivery of equipment specified at the designated FOB location.
12. Customer to provide a ladder for camera installation/adjustment needs.
13. Customer IT department to open Network Ports - 80, 445, 554, 801, 2001, 2010, 4504 - 4534, 8000 - 8011, 55057, 1433-1434 (Default instance MSSQL)
14. Provide COBAN Technicians a network utilization report or access to perform a Wireshark network utilization and communication analysis.
15. If using RFID, provide COBAN the departments door access system card type, format, frequency along with a sample card to test prior to deployment for compatibility testing.
 - o After compatibility is verified a spreadsheet in the following format is required to setup the RFID access.

First Name	Last Name	Officer ID	Number Printed on Card	"Read" Card Data If Available

☐ CUSTOMER CONFIRMATION

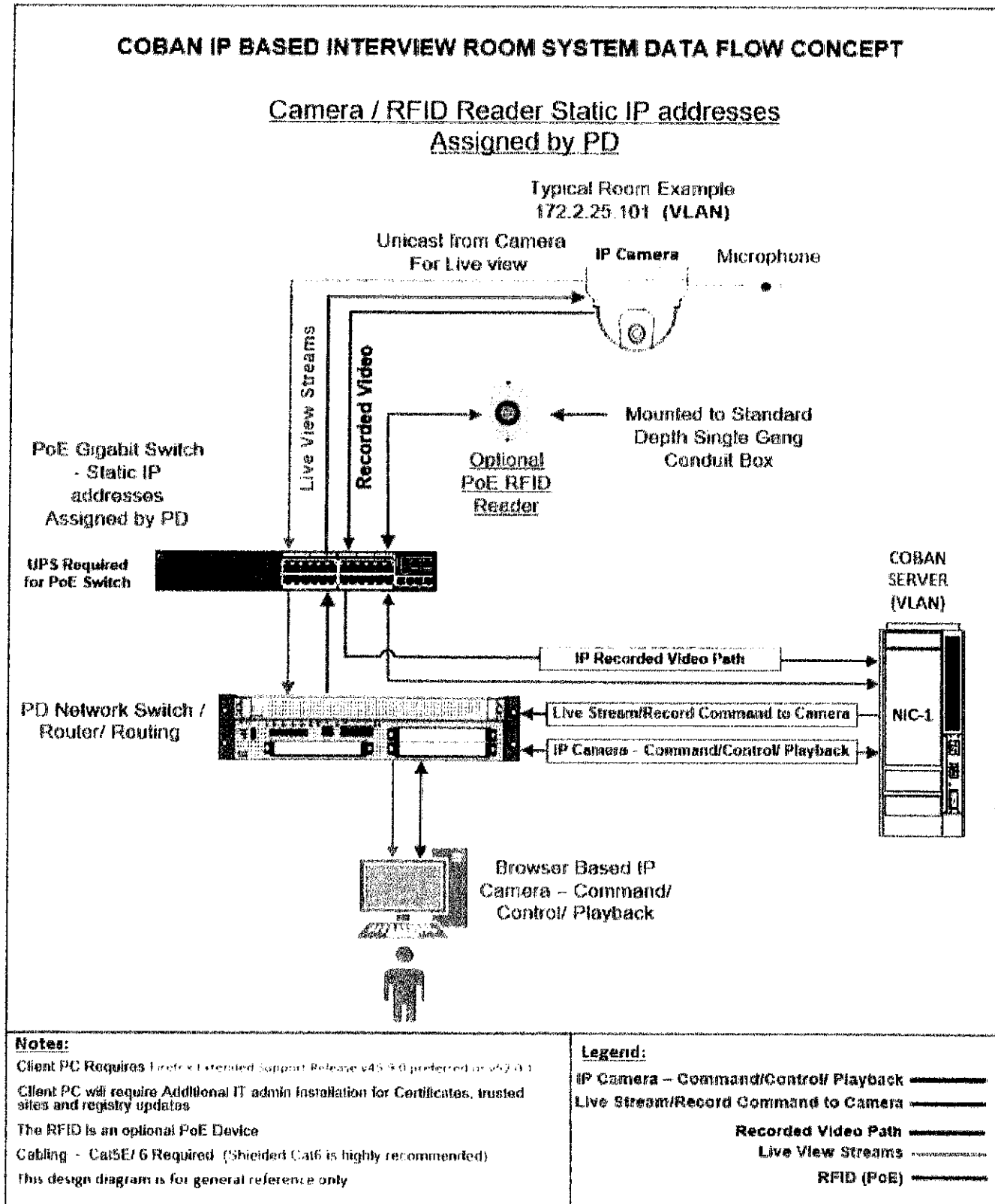
8. IP Interview Room Configuration

Server Name:			
Server IP:			
PoE Switch IP:			
Subnet:			
Default Gateway:			
Room 1		Room 2	
Room Name		Room Name	
Room #		Room #	
# of Cameras		# of Cameras	
Camera Type & Qty.	<input type="checkbox"/> Dome <input type="checkbox"/> Covert	Camera Type & Qty.	<input type="checkbox"/> Dome <input type="checkbox"/> Covert
Camera IP:		Camera IP:	
Camera IP:		Camera IP:	
RFID Activation Plate	Yes / No	RFID Activation Plate	Yes / No
RFID Activation Plate - IP		RFID Activation Plate - IP	
# of Microphones		# of Microphones	
Microphone Type	<input type="checkbox"/> Standard <input type="checkbox"/> Covert	Microphone Type	<input type="checkbox"/> Standard <input type="checkbox"/> Covert
User Group Name		User Group Name	
User Group Access	General / Restricted	User Group Access	General / Restricted

Additional Details:

☐ CUSTOMER CONFIRMATION

9. IP Interview Room Network Data Flow Conceptual Diagram



Disclaimer: COBAN is not responsible for network connectivity, network performance, and network reliability.

10. Customer Cabling Requirements

1. (1) Cat6 cable from the PoE switch to a dedicated Network interface port on the COBAN server for the recording path. (See data flow diagram in section # 6)
2. (1) Cat6 cable from the PoE switch to the Department LAN for the live view/control path.
3. Cat6 cables runs from the PoE switch to each IP camera with max length of 330 ft. Extensions of 330ft can be accomplished with the use of optional inline PoE extenders (Provided by COBAN) a Max of 2 extenders may be used per camera.
4. (1) Cat5E/6 cable from the optional RFID reader on the wall to the camera PoE switch, **if used**.
5. All cables **must be** terminated and tested with **RJ45 male plug connectors** prior to technician's arrival.
6. RFID reader locations must have standard depth (Not shallow) single-gang boxes installed with the terminated cables routed and tested.

☐ CUSTOMER CONFIRMATION

11. Cabling Acceptance

1. Cat5e or Cat6 Cables installed with male terminations on both ends are tested/certified.
2. Cables labeled on both ends with Room # cable # and description (RFID or Camera)
3. Cables routed to camera mount locations and PoE Switch.
4. Standard depth single gang box installed with cable routed to proper location of camera or switch.
5. Floor plan redline drawing updated and complete.
6. Installation photos (Cable locations, all wire terminations gang boxes with wall plates, Etc.)
7. Cable Certification for each cable to switch + patch cable to server, patch panel or switch recommended by COBAN. (see attached table for sample certificate)

☐ CUSTOMER CONFIRMATION

12. Confirmation

Please forward completed Check List to PMO@COBANtech.com

If you have any questions about completing this document please contact your Project Manager or call 281-925-0488

13. Hardware Configuration Acceptance (To be completed by COBAN Engineer)

Hardware Installation

- ☐ Cameras or encoders are mounted with the external microphone securely connected.
- ☐ Cat6 cable is securely connected to camera from PoE Switch.
- ☐ RFID reader wall plate is securely connected and tested. (If used)
- ☐ Cameras and microphones are aimed to the customer's requirements.
- ☐ PoE Switch Installed and plugged into a UPS.

Camera or Encoder Configuration (See Hardware User Manual as needed)

- ☐ Static IP Addresses Assigned.
- ☐ Time and date set to synchronize with Server time (Set this from the server's browser)
- ☐ Network Share Configured and the cameras have access.
- ☐ Verify Camera or Encoder events, Action Rules, Recipients, Camera Gain and filter are configured properly as noted in the user manual.
- ☐ Live view is enabled or disabled under video stream settings audio tab per customer requirement.
- ☐ Verify under Events/ Action rules List / (SD record) and (Network Record) that the stream profiles under each item both match the resolution settings in the COBAN Command Center located at the following location. (Admin/servers/app/IP camera: Category/camera/Recording Profile)
- ☐ Zoom and Focus are set and approved by the customer.
- ☐ Verify live view and recorded Video/Audio quality is acceptable and Date/Time is correct.
- ☐ Log equipment serial numbers and room descriptions / locations for COBAN records.

The items above have been completed, verified and accepted.

COBAN Rep: _____

Date: _____

Agency Rep: _____

Date: _____

14. Software Configuration / Function Acceptance (To be completed by COBAN Engineer)

- ☐ COBAN Command Center / DVMS is installed and configured.
 - ☐ Integrated Mode ☐ Users ☐ Roles ☐ Permissions ☐ Event types ☐ Retention
- ☐ Room View Layouts Defined.
- ☐ Bookmarks Defined and Admins trained.
- ☐ Client Workstations Configured and Admins trained.
- ☐ Live View Video and Audio Quality verified.
- ☐ Live Audio Streaming.
 - ☐ Enabled ☐ Disabled
- ☐ Record functions verified via browser control.
- ☐ RFID Access Cards are associated to Users and tested.
- ☐ Record functions verified via RFID.
- ☐ Record stop method configured.
 - ☐ Password ☐ Confirmation ☐ None
- ☐ Video is Searchable and Playable in COBAN Command Center
- ☐ Video is automatically transferred to DVMS and is Searchable and Playable.
- ☐ DVD Export Verified.

The items above have been completed, verified and accepted.

COBAN Rep: _____

Date: _____

Agency Rep: _____

Date: _____

Test Parameter	TIA-568-B	ISO 11801:2002
Wiremap	Pass/Fail	Pass/Fail
Propagation Delay	Pass/Fail	Pass/Fail
Delay Skew	Pass/Fail	Pass/Fail
Cable Length	Pass/Fail	Information only
Insertion Loss (IL)	Pass/Fail	Pass/Fail
Return Loss (RL)	Pass/Fail (except Cat3)	Pass/Fail
Near-End Crosstalk (NEXT)	Pass/Fail	Pass/Fail
Power Sum NEXT (PSNEXT)	Pass/Fail	Pass/Fail
Equal-Level Far-End Crosstalk (ELFEXT)	Pass/Fail	Pass/Fail
Power Sum ELFEXT (PSELFEXT)	Pass/Fail	Pass/Fail
Attenuation-to-Crosstalk Ratio (ACR)	Information only	Pass/Fail (except Class C)
Power sum ACR (PSACR)	Information only	Pass/Fail (except Class C)
DC Loop Resistance		Pass/Fail



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
 729 MAPLE ST / PO BOX 100
 HILLSBORO MO 63050
 WWW.JEFFCOMO.ORG

BID #: 18-0055

Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

**Specification
Contact:**

LT. WILLIAM DUNN
 Department of the Jefferson County Sheriff
 636-797-5526
 wdunn@jeffcomo.org

**Contract
Contact:**

VICKIE PRATT
 Department of Administrative Services
 636-797-5380

**Mail (3) Three
Complete Copies
With Vendor And
Proposal
Information As
Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME	
VENDOR ADDRESS	
CONTACT NUMBER	DEPARTMENT OF THE COUNTY CLERK
	JEFFERSON COUNTY MISSOURI
	729 MAPLE ST / PO BOX 100
	HILLSBORO MO 63050-0100
SEALED PROPOSAL: (PROPOSAL NAME)	

**Contract Term:
upon approval by
the County Council
and County
Executive**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

Bus Comm Incorporated	Jennifer Smith
Company Name	Authorized Agent (Print)
11696 Lilburn Park Road	<i>Jennifer Smith</i>
Address	Signature
St. Louis MO 63146	CFO/COO
City/State/Zip Code	Title
314-567-7755	43-134929
Telephone #	Date Tax ID #
j.smith@buscommine.com	314-567-0863
E-mail	Fax #

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$7,231.12

Core System + Professional
Services

Please see enclosed
Investment Summary for
details and optional
add on pricing.

Liberty Interview Recorder Overview

Liberty Interview Recorder is a simple, easy to use recording system that captures interview and interrogation audio, video and notes for police, law enforcement services and other government agencies.

Highlights:

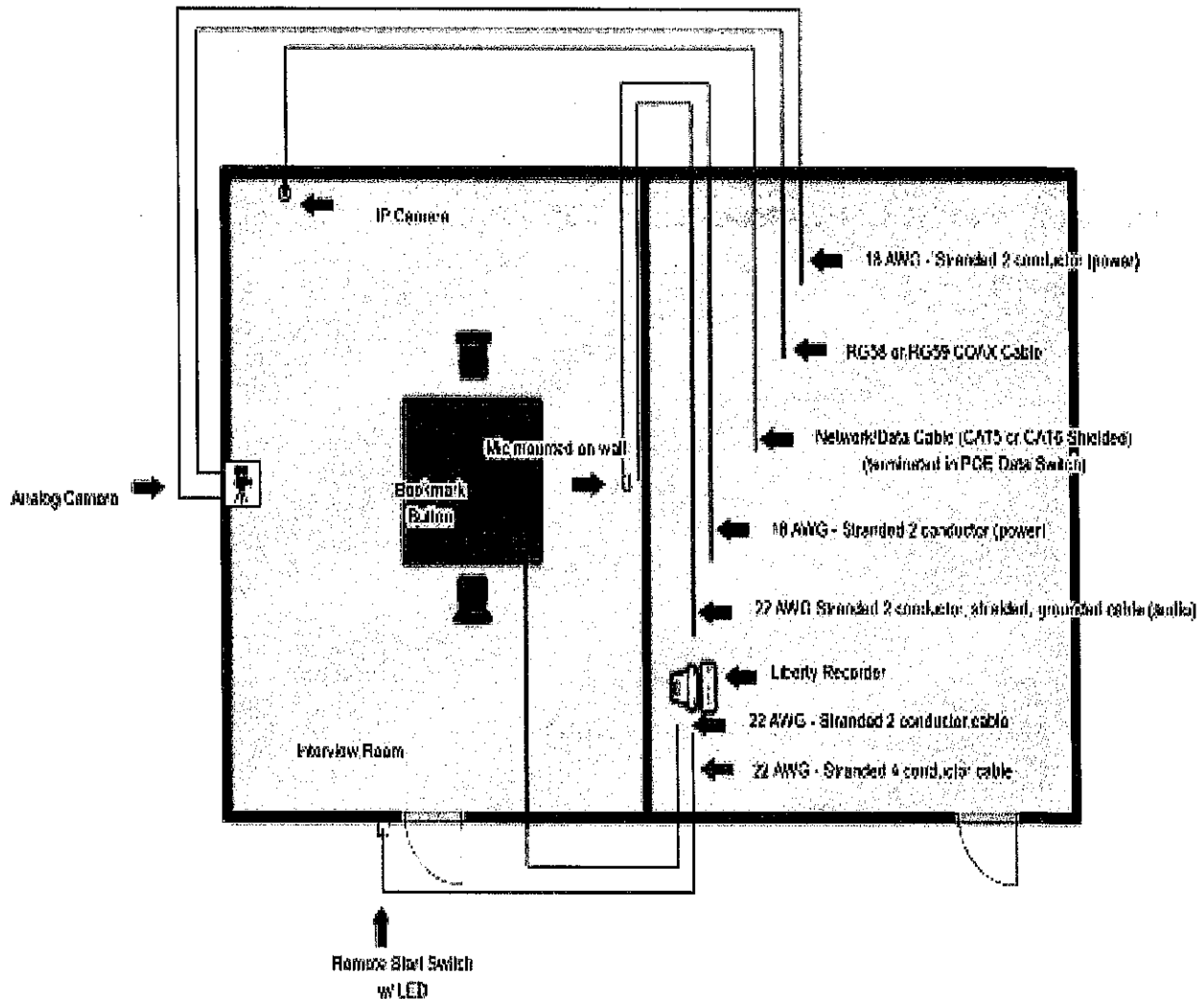
- Video recordings include integrated note taking feature with bookmark cue points.
- A time and date watermark is indicated on each recorded frame, which means that the authenticity of the recording can be verified at any time.
- Instant re-cue for playback; no more waiting for fast forward/rewind functions.
- Redundant copy may be written to secondary media including CD/DVD, memory stick, flash card, network drive or USB drive.
- Integrated text search and retrieval feature.
- No cost transcription application available.
- Remote monitor an interview from any network location (based on security rights).
- Optional remote "Start-recording" feature with either a hardware switch, or through a remote control program.

Liberty Interview Recorder Features:

- A comprehensive display of recorded audio and video provided in real-time, as the interview is recorded.
- Support for multiple discrete audio channels to allow for multiple microphones and eliminate talk-over.
- Integrated note taking with standard keyboard support.
- Network Ready – recordings may be saved simultaneously and automatically to a network file server.
- A network file server configuration also allows authorized remote staff to monitor the recordings and the associated notes.
- Audio, video and associated notes are all saved into a single file, consolidating all of the data into a single file.
- Complimentary playback application for transcription.
- The ability to superimpose a label such as "Police Interview Room A" onto the video of a recording.
- The ability to create single or multiple DVDs of an interview.

Liberty Interview Recorder Sample Wiring Diagram

LIR Wiring Diagram



*All cabling to be terminated near Liberty Recorder

Dwight Stilley, BusComm Senior Technical Support Specialist - Dwight holds a bachelor's degree in General Studies from Southeast Missouri State along with the CompTIA A+ Certification. As a computer professional since 2000, he brings a wealth of expertise to BusComm.

Greg Martin, BusComm Technical Support Specialist – Greg joined BusComm as a Technical Support Specialist in 2013. He graduated from ITT Technical Institute with a Bachelor's Degree in Digital Entertainment and Game Design (Computer Science) and brings to BusComm a wealth of programming knowledge and 2 years of hands-on customer IT support.

Dave Lee, BusComm Technical Support Specialist – Dave joined BusComm as a Technical Support Specialist in 2013. He has recent experience that includes software technical support and customer training. He graduated in 2000 with an Associate's Degree in Computer Programming and Network Administration and also has experience in programming, database administration and networking.

Jevion White, BusComm Senior Technical Support Specialist – Jevion joined BusComm as a Technical Support Specialist in 2012. Prior to his time with us, he accumulated over two years of professional hands-on IT support experience in the Healthcare industry. He also studied Information Systems at St. Louis Community College.

John Lockwood, BusComm Senior Systems Analyst – John joined BusComm in 2000 as a Technical Support Specialist. He studied Network Administration at Ranken Technical College and graduated in 1999. He is now a Senior Systems Analyst providing pre-sales consultation, installation support and training to BusComm customers.

Roy Kenny, Operations Manager – Roy joined BusComm in 1987. He spent 25 years as a Senior Technical Support Specialist providing installation, training, and support on BusComm's Healthcare products. He was promoted to Project Manager in 2012 where he was responsible for coordinating all project installation and training for customers. In October 2017, Roy was promoted to Operations Manager and he is now responsible for the day-to-day management of the Operations Department, as well as continuing to coordinate all project installations and training.

Investment Summary – Core System

Liberty Interview Recording Solution to include: a high resolution, tamper resistant camera, redundant recording device (recordings will automatically be mirrored both to the recording PC and the Jefferson County Sheriff's Office VeriPic Network Storage location), providing secure storage of evidentiary videos to ensure a tamper-proof product.

DESCRIPTION	AMOUNT
Liberty Interview Recording Solution, including: <ul style="list-style-type: none"> • Recording PC and Software: <ul style="list-style-type: none"> ○ Dell OptiPlex 7060 Mini Tower, Windows 10, Intel Core i7 3.6GHz, 1TB Hard Drive, 8GB RAM, 2GB Graphics Card, DVD+/- RW, Keyboard, Mouse, Speakers, Monitor ○ Liberty Interview Recording Software ○ Two Liberty Network Monitor Licenses ○ Two Liberty Network Monitor and Control Licenses • Video Input: <ul style="list-style-type: none"> ○ Axis P3367-V Network Dome IP Camera and Mount • Audio Input: <ul style="list-style-type: none"> ○ AKG PXM-11LL Wall Plate Mountable Security Microphone • Switches/Power: <ul style="list-style-type: none"> ○ Ubiquity Networks TS-5-PRO PoE Switch (Camera) ○ 4 Channel 12V, 10A Power Box (Microphone) 	\$5,534.85
Professional Services: <ul style="list-style-type: none"> ○ On-Site Installation and Implementation ○ On-Site Training 	1,696.27
TOTAL INVESTMENT	\$7,231.12

Annual Guaranteed Maintenance Service – Core System

Comprehensive GMS Agreement –Only service related to Liberty Software or hardware failure will be covered under this Agreement	\$7,33.48
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Investment Summary – Remote Start via Mimo Tablet

Optional Remote Start via Mimo Tablet – allows for remote start of recording and capture of Jefferson County defined information (Case #, DSN #, etc.) from tablet mounted outside of interview room door. Allows for easy search and retrieval as recordings will have identifying information embedded with them and can be grouped by DSN #.

DESCRIPTION	AMOUNT
Mimo Remote Start Tablet and Wall Mount	\$438.58
On-Site Installation and Implementation and Training (if installed at time of initial system implementation)	78.94
TOTAL INVESTMENT	\$517.52

Annual Guaranteed Maintenance Service – Remote Start via Mimo Tablet

Add Mimo Tablet to Comprehensive Guaranteed Maintenance Service Agreement	\$43.86
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Investment Summary – Remote Start via Switch

Optional Remote Start via Light Switch – allows for remote start of recording by activating switch mounted outside of interview room door. Also allows for LED Recording Indicator placed either in or outside room and discrete bookmarking from inside interview room.

DESCRIPTION	AMOUNT
Liberty Remote Start via Switch; including: <ul style="list-style-type: none">• Remote Start Hardware Device• LED Recording Indicator Light• Discrete Bookmarking Button (mounted under interview table)	\$350.00
On-Site Installation and Implementation and Training (if installed at time of initial system implementation)	63.00
TOTAL INVESTMENT	\$413.00

Annual Guaranteed Maintenance Service – Remote Start via Switch

Add Remote Start to Comprehensive Guaranteed Maintenance Service Agreement	\$35.00
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Investment Summary – Add Second Camera to Interview Room**Optional Addition of Second Camera to Interview Room**

DESCRIPTION	AMOUNT
Addition of Second Camera to Interview Room, including: <ul style="list-style-type: none">• Axis M3047 – Mini Dome, 6MP, 360° view, Network Camera• Camera Mount• Liberty Add 2nd Camera License	\$998.76
On-Site Installation and Implementation and Training (if installed at time of initial system implementation)	179.78
TOTAL INVESTMENT	\$1,178.54

Annual Guaranteed Maintenance Service – Add Second Camera to Interview Room

Add Second Camera to Comprehensive Guaranteed Maintenance Service Agreement	\$43.86
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Investment Summary – Add Dedicated Network Attached Storage

Optional Addition of Dedicated Network Attached Storage – the core system has been quoted with the archive mirror to be directed to the Jefferson County Sheriff's Office Network Storage Location. This option will add a dedicated Network Attached Storage Device to be used only for Liberty Interview Recordings.

DESCRIPTION	AMOUNT
Buffalo LinkStation Network Attached Storage (2 x 2TB)	\$239.99
On-Site Installation and Implementation and Training (if installed at time of initial system implementation)	43.20
TOTAL INVESTMENT	\$283.19

Annual Guaranteed Maintenance Service – Add Dedicated Network Attached Storage

Add Dedicated NAS to Comprehensive Guaranteed Maintenance Service Agreement	\$43.86
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Customer Requirements

BusComm Incorporated will terminate/install/mount all components included in the proposal. The quoted price assumes ready access to the Customer's facility. The Customer may be responsible for additional installation charges if it does not make the facility available to complete the installation in the timeframe quoted, does not provide equipment per the product specifications, and/or does not provide the items (if applicable) noted below. The installation and training price includes all travel expenses.

Unless specifically noted on the Sales Agreement, the Customer will be responsible for providing:

1. All Computers and Laptops:

- Prior to the Liberty hardware and software installation, all computers must be configured as per the product specifications. Please advise us of the model and configuration of the computers so that we can verify suitability prior to delivery.
- All PC/LAN connections and cabling.
- PC Speakers, power supply and cables for PC sound card-based playback of the audio.

2. Cabling Specifications/Requirements:**•Remote Start Switches (LR-101):**

- Requires a 4 conductor cable (22 AWG stranded) from switch location to recording PC (LIR).
- Requires 1 single gang box to mount the switch.

•Mimo Control Tablet:

- Requires a network/data cable (CAT 5 or CAT 6) from tablet location to PoE Data Switch.
- Requires single gang box to mount the tablet.
- Mimo Tablet Dimensions - 9.92" (252mm) x 7" (178mm) x .94" (22mm).

•Recording Indicator Light (iBoot and Sandies Light):

- Requires a 2 conductor cable (18 AWG stranded) from each iBoot device to recording light location.

Customer Requirements

- Requires 1 single gang box at light location (depending on record indicator used and location).
- iBoot Device requires 110VAC power and network/data cable (CAT5 or CAT6) from iBoot location to Data Switch (does not require PoE).
- Recording Indicator Light Dimensions - Height - 12"; Width - 3 1/8"; Depth - 3 1/8". Mounting hole is 3/4" from end of light.

•Bookmark Buttons:

- Requires a 2 conductor cable (22 AWG stranded) from button location to recording PC (LIR).

•Analog Cameras:

- Each camera requires a 2 conductor cable (18 AWG stranded) from camera to power supply.
- Each camera also requires RG58 or RG59 COAX cable from camera to recording PC (LIR).

•IP Cameras:

- Each IP camera requires network/data cable (CAT5 or CAT6) from camera to PoE Data Switch.

•Microphones:

- Requires 22 AWG stranded – 2 conductor, shielded, grounded cable from mic to recording PC (LIR). (If used with IP dome camera, cable to be run from Mic to IP camera and not back to LIR).
- Requires a 2 conductor cable for power (18 AWG stranded) from mic to power supply.
- Requires 1 single gang box to mount the mic.



Purchasing Terms

The installation and training price includes all travel expenses.

Operator training will be provided on the same trip as the installation. For training to be most effective, it is preferable to have a maximum of five (5) persons per session.

BusComm terms are as follows: 100% upon completion of installation

Please make purchase orders to: BusComm Incorporated
11696 Lilburn Park
St. Louis, MO 63146

Proposal Acceptance

APPROVED BY:

PRINT NAME

PRINT TITLE

x

Sample Guaranteed Maintenance Service Agreement continued

This **REQUIRED GUARANTEED MAINTENANCE SUPPORT AGREEMENT** ("Agreement") is effective the 1st day of July, 2015 ("Effective Date") by and between **BUSCOMM INCORPORATED**, a Missouri corporation ("**BusComm**") and **<Customer Name>**, an **<State>** corporation ("**Purchaser**") (individually, each a "**Party**," or collectively, the "**Parties**").

WITNESSETH:

WHEREAS, Purchaser has a need for hardware and software maintenance of Purchaser's Liberty System (the "**System**");

WHEREAS, BusComm provides hardware and software maintenance support(collectively, the "**Support**") for the System;

WHEREAS, the Parties desire to enter into this Agreement whereby BusComm will provide certain maintenance Support to Purchaser, as more fully detailed herein.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, the Parties hereby agree as follows:

I. TERM AND TERMINATION

- 1.1 **Term**. The term of this Agreement shall commence on the Effective Date and will continue until June 30, 2016 and from year to year thereafter unless terminated by either Party upon written notice given to the other Party at least thirty (30) days prior to the end of the first year or subsequent year. No refund or pro-rating on the remainder of the Agreement is allowed. This Agreement is not transferable and becomes void upon sale of the equipment.
- 1.2 **Termination Due to End of Life**. In the event your software has been covered by a BusComm Guaranteed Maintenance Support Agreement for a minimum of four (4) years, BusComm reserves the right to terminate this Agreement based on the age of the hardware platform housing the software. BusComm will provide a minimum of forty-five (45) days notice and offer the opportunity for Purchaser to upgrade their current hardware platform to continue support.
- 1.3 **Termination With Cause**. In the event BusComm commits a material breach of any of the provisions of this Agreement, Purchaser may terminate this Agreement upon thirty (30) days written notice.

Sample Guaranteed Maintenance Service Agreement continued

- 1.4 **Effect of Termination.** Upon termination of this Agreement, neither Party shall have any further obligations hereunder, except for obligations accruing and becoming payable prior to the date of termination or obligations that are expressly made to extend beyond the term.

II. OBLIGATIONS OF BUSCOMM

- 2.1 **Support.** BusComm shall provide Support to Purchaser as set forth for the System. BusComm shall begin providing Support following the warranty period.
- 2.2 **Response to Support Calls.** BusComm agrees to provide prompt response to all support calls twenty-four (24) hours per day, seven (7) days a week, and three hundred and sixty-five (365) days a year. BusComm agrees that Purchaser is a comprehensive maintenance customer and is guaranteed priority support and response to reported System issues via remote diagnostic software, a phone call, or an on-site visit. BusComm will make a diagnostic call within thirty (30) minutes of receipt of Purchaser's support request.
- 2.3 **Replacement Parts.** Replacement parts, if covered, will be furnished and installed by BusComm personnel (the "**Support Technicians**") at no extra charge. The parts replaced become the property of BusComm.
- 2.3.1 **Refurbished Parts.** Hardware, component parts, assemblies, or subassemblies may be replaced with new or refurbished items at BusComm's option. If parts must be replaced due to causes other than normal wear and tear, BusComm will charge the price in effect at the time for such parts and all reasonable expenses associated with BusComm's cost to replace said parts.
- 2.4 **Software Updates.** BusComm will provide and install updates to Purchaser's software during normal business hours as deemed necessary without any additional charge to Purchaser as long as this Agreement is effective and there are no payments in arrears due to BusComm. "**Updates**" are defined as any System's software in which numbers to the right of the first decimal point have increased (i.e. 8.1, 8.2, and 8.3). After normal business hours, Monday through Thursday, BusComm will bill for labor to install updates at Two Hundred Twenty-Five and 00/100 Dollars (\$225.00) per hour and travel will be billed at One Hundred Twelve and 50/100 Dollars (\$112.50) per hour

Sample Guaranteed Maintenance Service Agreement continued

- 2.5 Software Upgrades.** BusComm will make available software upgrades to Purchaser's software as they become available. "Upgrades" are defined as a numeric increase to the left of the first decimal point (i.e. 8.0, 9.0, and 10.0). During normal business hours, BusComm will bill for labor to install upgrades at One Hundred Fifty and 00/100 Dollars (\$150.00) per hour and travel will be billed at Seventy-Five and 00/100 Dollars (\$75.00) per hour. After normal business hours, Monday through Thursday, BusComm will bill for labor to install upgrades at Two Hundred Twenty-Five and 00/100 Dollars (\$225.00) per hour and travel will be billed at One Hundred Twelve and 50/100 Dollars (\$112.50) per hour. Additionally, third party software upgrades are billable.
- 2.6 System Availability.** Under this Agreement, BusComm agrees to work toward providing System availability approaching one hundred percent (100%). In order to do this, BusComm may, based on technical judgments made by Support Technicians, request to be able to monitor machine functions remotely, but always with the prior knowledge, approval, and cooperation of the Purchaser. At such time BusComm may also make changes to the resident software, but never in a way that would knowingly disrupt normal operations, violate security, or disturb the Purchaser's records. In addition, BusComm may, from time to time, recommend and initiate replacement of suspect component parts at no expense to the Purchaser, but with Purchaser's planned cooperation regarding replacement work. This will always be done with every intention of minimizing disruption. Finally, if BusComm deems it advisable for a Support Technician to visit and perform machine or operational remediation on site, such a trip will be initiated by BusComm, but with the full knowledge and cooperation of the Purchaser. The full expenses for such travel including per diem, living expenses and all incidental costs relating either to the trip or the support work will be paid by BusComm, resulting in no cost to the Purchaser. An exception to this is if it is determined that the problem developed from a part damaged by causes other than normal wear and tear.
- 2.7 Environmental Conditions.** The Purchaser will maintain the environmental conditions specified. These conditions will be within the common environmental range of all System's components.

III. TITLE

- 3.1 Title.** BusComm will retain full title to the software. The Purchaser will have a nonexclusive, nontransferable, fully paid perpetual license to use such software for its business purposes as long as it has a current Maintenance Agreement on the product, and agrees to hold in confidence all technical and trade secret information, including, without limitation, the content of and information relating to software, including source code, object code, software updates supplied by BusComm in respect thereto, all subsequent modification of code made by BusComm pursuant to maintenance and/or diagnostic evaluation, and all documentation relating to any of the foregoing. The Purchaser ensures that access to such information will be limited to employees who must have access in order to use the System efficiently for Purchasers business purposes.
- 3.2 Diagnostic Software.** BusComm may remove any maintenance materials or diagnostic software at any time, either temporarily or permanently. The diagnostic software provided to facilitate the servicing of the System is not necessarily for the operation of basic System software.

IV. EXCLUSIONS

- .1 Excluded Support Services.** Some Support Services may not be covered by this Agreement. These items may be referred to as *Move/Add/Change* and Purchaser is responsible for all charges including the cost of parts, labor, assistance over the telephone and travel relating to:
- .1.1 Electrical work external to the equipment;
 - .1.2 Maintenance of accessories, attachments, machines, or other devices not furnished or manufactured by BusComm or not listed on the contract invoice;
 - .1.3 Repair of damages resulting from accident, neglect or misuse, fluctuations of electric, temperature or humidity, failure of electrical power, or causes other than ordinary use including fires and acts of God, or resulting from moving, disconnecting, maintenance or repair of the equipment by persons other than BusComm personnel or its authorized representatives, or damages caused by installation of third-party software not purchased from and/or authorized by BusComm;
 - .1.4 Adding or removing accessories, attachments, or other devices;

Sample Guaranteed Maintenance Service Agreement continued

- .1.5 Services rendered impractical due to alterations to the equipment, or because of electrical or mechanical connections to equipment not supplied by BusComm;
- .1.6 De-install/Re-install of users, to include software applications;
- .1.7 Upgrading/Updating/Supporting any third-party software needed to support the System, including but not limited to Structured Query Language (SQL), Anti-Virus, Annual Anti-Virus Updates, RightFax Business Server or Fax Boards, Microsoft Operating System, Microsoft Word;
- .1.8 Installation of System Software Upgrades, defined as a numeric increase to the left of the first decimal point (i.e. 8.0, 9.0, 10.0);
- .1.9 New report formats;
- .1.10 Changes to existing report formats;
- .1.11 Setting up additional departments;
- .1.12 Installing and training additional users;
- .1.13 Re-training existing staff;
- .1.14 Reloading software due to customer upgrades/changes or computer virus infections;
- .1.15 Connectivity to internet service provider from remote site to customer's network;
- .1.16 Interfacing client's Virtual Private Network with remote site;
- 4.1.17 Removing viruses from servers or workstations caused by a lack of Customer provided Anti-Virus software being loaded or failure to update the Customer provided Anti-Virus software.

V. MODIFICATION OF AGREEMENT

- 5.1 **Modification/Deletion.** BusComm reserves the right to modify or delete any term of this Agreement by giving thirty (30) days prior written notice to the Purchaser. Purchaser may then elect to accept the Agreement with such modification(s) or deletion(s), or terminate the Agreement. Failure by the Purchaser to terminate within the thirty (30) day notice period will signify acceptance of the Agreement as amended. As used in this section, modification includes, but is not limited to, changes in price, term or the character or extent of support, including withdrawal of support for particular hardware or software systems or subsystems.

VI. CHARGES

- 6.1 Charges.** Charges for support provided under this Agreement are invoiced on an annual basis and are payable within (30) days of receipt of invoice.
- 6.2 Adjustment of Charges.** Additions and/or deletions in hardware or software may result in an adjustment of support charges. The support charges for hardware or software additions to the Agreement will be the current published rate at the time the equipment is added, and will be pro-rated to coincide with the anniversary date of this Agreement. Deletions will be adjusted when the Agreement renews. No refund or pro-rating on the remainder of the Agreement is allowed.
- 6.3 Overdue Invoices.** BusComm reserves the right to withhold support for non-payment of any invoice(s) sixty (60) days beyond the Effective Date.

VII. COMPENSATION

- 7.1 Compensation.** Purchaser shall pay BusComm Five Thousand Four Hundred Fourteen and 84/100 Dollars (\$5,414.84) per year for Support. Unless otherwise specified, the Support and Purchaser's obligation to pay the compensation shall commence on the Effective Date under the terms described herein.
- 7.2 Hourly Rate.** The following rates apply to Support not included under this Agreement. There is a one-hour minimum charge for all labor, including telephone support.

Labor

Move/Add/Change	\$150.00 per hour
After-Hours Support or Move/Add/Change	\$225.00 per hour
Sunday/Holiday* Support or Move/Add/Change	\$300.00 per hour

Travel

Normal Business Hours	\$75.00 per hour
After-Hours	\$112.50 per hour
Sunday/Holiday*	\$150.00 per hour

*The Holiday rate applies to: New year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

Sample Guaranteed Maintenance Service Agreement continued

VIII. GENERAL

- 8.1 **Amendments.** This Agreement may be amended only by an instrument in writing signed by the Parties.
- 8.2 **Assignment.** Any or all of BusComm's rights or obligations under this Agreement may be assigned by BusComm, with written notice to Purchaser, and will be exercised by any assignee thereof.
- 8.3 **Counterparts.** This Agreement may be executed in one or more counterparts, all of which taken together shall constitute one and the same instrument. A signature to this Agreement shall be deemed validly executed and delivered, binding and enforceable upon transmittal of the signed Agreement to the other Party by facsimile or by transmission of a PDF copy of such signed Agreement by e-mail.
- 8.4 **Damages.** In no event will BusComm be liable for any loss of data, lost charges, or special indirect or consequential damages.
- 8.5 **Delays.** BusComm's obligations hereunder are subject to delays caused by labor difficulties, fires, casualties and accidents; acts of the elements; acts of public enemy; transportation difficulties; inability to obtain equipment, materials or qualified labor sufficient to fill its orders; government interference or regulations and other causes beyond BusComm's control.
- 8.6 **Disclaimer of Warranty.** BusComm disclaims all warranties, including all warranties or merchantability and fitness for a particular purpose.
- 8.7 **Entire Agreement.** This Agreement supersedes all previous contracts or agreements between the Parties for the same Support, and constitutes the entire Agreement between the Parties. Neither Purchaser nor BusComm shall be entitled to benefits other than those specifically enumerated herein.
- 8.8 **Governing Law.** This Agreement shall be construed and governed by the laws of the state of Missouri. Unless otherwise required by law, the Parties shall submit to the jurisdiction of the courts within the county where BusComm is located in the state of Missouri.
- 8.9 **Indemnification.** Each Party agrees to indemnify and hold the other harmless from any and all claims, suits, damages, fines, penalties, judgments, liabilities and expenses (including reasonable attorney's fees and court costs) arising from: (i) any negligent or willful act or omission of the Party, its agents, or employees; (ii) breach of this Agreement or (iii) violation of a Law. Notwithstanding anything to the contrary in this Agreement, a Party's obligations with respect to indemnification for acts described in this section shall not apply to the extent that such application would nullify any existing insurance coverage of such Party or as to that portion of any claim of loss in which an insurer is obligated to defend or satisfy. This section 8.9 shall survive the expiration or earlier termination of this Agreement.



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
 729 MAPLE ST / PO BOX 100
 HILLSBORO MO 63050
WWW.JEFFCOMO.ORG

BID #: 18-0055

Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

**Specification
Contact:**

LT. WILLIAM DUNN
 Department of the Jefferson County Sheriff
 636-797-5526
wdunn@jeffcomo.org

**Contract
Contact:**

VICKIE PRATT
 Department of Administrative Services
 636-797-5380

**Mail (3) Three
Complete Copies
With Vendor And
Proposal
Information As
Shown In Sample:**

SAMPLE ENVELOPE

<i>VENDOR NAME</i>	
<i>VENDOR ADDRESS</i>	
<i>CONTACT NUMBER</i>	DEPARTMENT OF THE COUNTY CLERK
	JEFFERSON COUNTY MISSOURI
	729 MAPLE ST / PO BOX 100
	HILLSBORO MO 63050-0100
SEALED PROPOSAL: (PROPOSAL NAME)	

**Contract Term:
upon approval by
the County Council
and County
Executive**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

WatchGuard, Inc.	Kyrie Endres
Company Name	Authorized Agent (Print)
415 E. Exchange Parkway	<i>Kyrie Endres</i>
Address	Signature
Allen, TX 75002-2616	Proposal Manager
City/State/Zip Code	Title
(800) 605-6734 ext. 2608	08/13/18 11-3717781
Telephone #	Date Tax ID #
bids@watchguardvideo.com	(214) 383-9661
E-mail	Fax #

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REQUIRED DOCUMENTS

- 1. Current and valid Certificate of Insurance or binder showing required insurance coverage must be provided with each bid.
(County must be added as additional insured if awarded)**
- 2a. Proof that Bidder does not owe delinquent real or personal property in Jefferson County (tax receipts for past 3 years)
Obtain receipts at <http://jeffersonmo.devnetwedge.com>**
- Or**
- 2b. A notarized affidavit, on company letterhead stating that the applicant does not own any real or personal property in Jefferson County, Missouri.**
- 3. A Notarized affidavit of work authorization and current business entity status with E-verification documentation (pages 9 & 10).**
- 4. Agreement to be executed by the County upon approval by the County Council and County Executive (Bidder is required to complete company information and execute signature).**
- 5. Cooperative Bid Form (last page)**
- 6. All pages of the Invitation for Bid/Request for Proposal must be used when submitting your bid/proposal response along with initialing each page with the bid/proposal. Additional information may be included separately.**
- 7. Bid deposits/bonds must be in the exact amount as stipulated in the bid. (if required)**

***BIDS MAYBE REJECTED IF REQUIRED DOCUMENTATION IS NOT INCLUDED OR COMPLETED AT DISCRETION OF THE COUNTY**

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

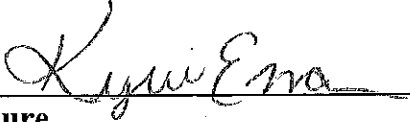
To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$8,185.⁰⁰

In Witness thereof, the parties hereto have executed this Agreement, in triplicate, as of this 13th day of August 2018:

WatchGuard, Inc.

Company Name



Signature

Kyrie Endres, Proposal Manager

Print

Company Address: _____

415 E. Exchange Parkway

Allen, TX 75002-2616

Phone: (800) 605-6734 ext. 2608

County of Jefferson, State of Missouri

Kenneth B. Waller County Executive

I hereby certify under section 50.660 RSMo., there is either: (1) a balance of funds, otherwise unencumbered, to the credit of the appropriation to which the obligation contained herein is chargeable, and a cash balance otherwise unencumbered, in the treasury, to the credit of the funds from which payment is to be made, each sufficient to meet the obligation contained herein; or (2) bonds or taxes have been authorized by vote of the people and there is a sufficient unencumbered amount of the bonds yet to be sold or of the taxes levied and yet to be collected to meet the obligation in case there is not a sufficient unencumbered cash balance in the treasury.

County Auditor

APPROVED AS TO FORM

County Counselor

CONTRACTOR'S PAST PERFORMANCE

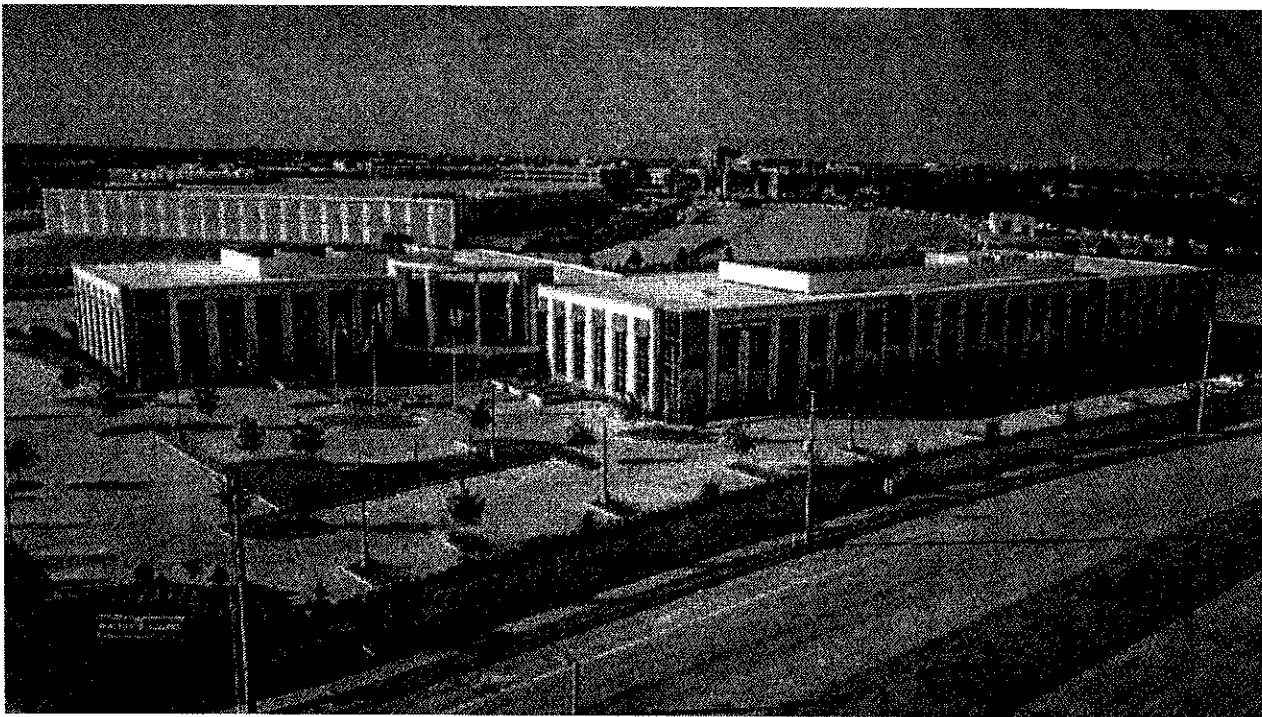
WatchGuard's mission is to produce the industry's best video evidence solutions for law enforcement agencies worldwide. We strive to achieve our goal and drive ROI for our customer's investment thru innovative product designs and by using the highest quality materials. We insist on excellence in all we do, leading to superior performance in our products and services.

-Steve Coffman, President

INTRODUCTION

WatchGuard was founded in 2002 and began full production of its mobile video products in September of 2005, with initial shipments beginning in October 2005. WatchGuard, Inc. became a "C" Corporation and changed our name in October, 2007. Prior to that we were known as Evidence Library, LLC dba WatchGuard Video (from June, 2008 to October, 2017). WatchGuard has had the same majority owner since inception in 2002.

All product manufacturing is done domestically in the company's 144,000 square foot facility in Allen, Texas. The North Texas facility features an engineering laboratory, customer service installation bay, pristine production space, and a state-of-the-art training room. All engineering, assembly, and factory service is conducted in this facility.



Company Background

WatchGuard is the world's largest manufacturer of video systems for law enforcement, providing systems to over one third of all U.S. and Canadian law enforcement agencies. In the most recent industry survey by IHS, WatchGuard was again recognized by this independent research organization as the worldwide market share leader in mobile video surveillance systems.

We currently have approximately 6,500 law enforcement agencies as customers and over 77,000 of our mobile DVR systems in the field. WatchGuard has moved solidly into the number one market share position for US sales of digital police in-car video systems.

WatchGuard's commitment to innovation can be seen in the large investments we make in the Research and Development of new products. We have the largest engineering team in the industry, and have invested over \$66 million into the development of digital video systems for law enforcement. We feel that innovation of quality and technically advanced products is essential to maintaining our position in this fast paced and rapidly evolving industry.

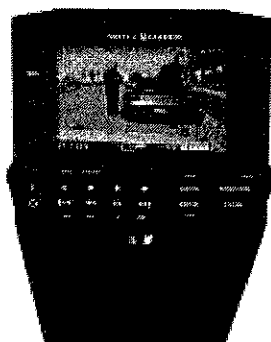
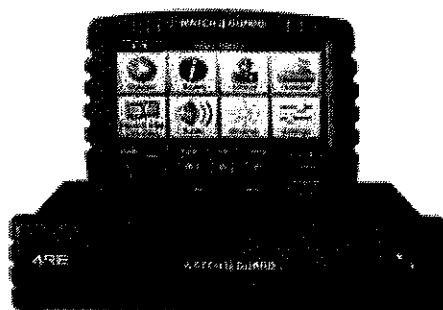
WatchGuard produces the most advanced systems, has the most extensive track record of successful deployments, has earned a reputation for extraordinary customer support, is financially sound, and is the best positioned company to service your video needs today and for many years into the future.

The Industry's Most Significant Products

WatchGuard has been pioneering technological innovations since its inception in 2002. Over its history, WatchGuard has been first to market with many technology breakthroughs including (1) the industry's first and only completely integrated and synchronized in-car and body worn system, (2) the industry's first HD in-car video system, (3) Record-After-the-Fact functionality, (4) multiple resolution recording and (5) the industry's first direct-to-DVD in-car video system.

WatchGuard's product strategy revolves around providing premium hardware with functionality that can only be performed in hardware (versus software solutions) and video management solutions that achieve automation through integration. Our hardware roadmap includes further reduction in the size and weight of our body worn camera, continued improvement in the audio and video quality of our already industry leading cameras and microphones, increasing product longevity through improved materials and construction thereby reducing total cost of ownership for our partner agencies, tight integration with most CAD/RMS vendors, further integration, feature improvements and ease of use for our redaction software, and development of next-gen platforms for our body worn, in-car offerings and video management software that take advantage of emerging AI technologies, speech recognition abilities and facial recognition technologies.

WatchGuard continues to invest heavily in projects that bring immediate value to our partner agencies. We have one of the largest and most prolific engineering groups in the industry, and are now investing in a new corporate headquarters facility that will bring additional engineering and production capacity to the company.

**DV1****4RE****VISTA**

Advanced Engineering

Over the past decade, WatchGuard has become the most successful company in law enforcement video. By 2010, the company grew large enough to earn the #1 market share position. Since 2010, the company has continued to grow (80% growth just in the last 36 months) and is now approximately twice the size of the second largest manufacturer.

One of the primary reasons WatchGuard has become the dominant manufacturer of law enforcement video is because of our substantial investment in research and development.

WatchGuard employs the industry's largest engineering team and has invested over \$54 million specifically into the development of video systems for law enforcement. Our major engineering investments have resulted in numerous technological breakthroughs and patents (14 issued, 19 pending) that have enabled us to demonstrate clear technological leadership and advance the state-of-the-art.

Our current 80+ person (and growing), senior level engineering team is comprised of a wide range of expertise and experience that includes:

- System architecture
- High reliability systems design
- Image processing
- Video encoding/decoding
- Audio encode/decode
- MPEG2/MPEG4/H.264
- High speed data processing
- High speed communication
- Digital signal processing
- FPGA/CPLD designs
- User interface design
- Kernel/driver development



- File system design
- Board design and layout
- Mechanical and industrial design
- Thermal analysis
- Rigorous system validation and testing.

This incredible amount of development horsepower is focused exclusively on the capture, management and integration of law enforcement video.

As a result, WatchGuard is uniquely positioned to offer Department a combination of hardware, evidence management software, and custom development capability that is far beyond any other manufacturer.

Manufactured in the U.S.A.

The company manufactures its products in its 144,000 square foot, state-of-the-art facility located in North Texas. This two story facility houses all departments including Engineering, Manufacturing, Sales, and Customer Service and it includes an impressive training room, customer installation bay, and pristine production space. WatchGuard currently has 294 employees, six (6) of whom will be directly working with Cobb County during deployment. However, the other the other 288 will be happy to work with the county in whatever capacity they may serve.

SERVICE AND SUPPORT

If WatchGuard is the selected vendor for this project, we would like to enter a long-term relationship with the Department. The service and support of our products extends past the initial implementation to the day to day care and maintenance for years after the initial sale.

WatchGuard representatives are available 24 hours per day, seven days a week to answer questions and assist with technical issues. WatchGuard values our customers and we demonstrate this by having a growing team of professionals constantly available to meet the needs of our customers. While others may limit this availability or charge for use of this resource, the WatchGuard help desk is available to all customers for the life of their products at no additional cost to the agency.

The Customer Service and Technical Support Department is made up of three distinct groups. The first is the Customer Service Support Team. This group of Customer Service Representatives primarily answers in-bound calls and requests for service, and they are accessible 24 hours per day. They specialize in troubleshooting, resolving issues, and answering the technical support questions of law enforcement officers and third party installers.

The second group is the Technical Services Team. This group primarily works with large agency deployments and IT related projects. Their focus is ensuring successful deployments, knowledge sharing, user training, service training, and onsite support and technical service. This group has successfully handled all the WatchGuard State Agency deployments and continually manages close relationships with all of them. They are available to customers 24 hours a day, seven days a week; and will travel to a site when necessary.

Repair and Returns is the third group that customers work with. Their responsibility is to manage all warrantied and non-warrantied part and component repairs and replacements. Their goal is to quickly and efficiently handle any equipment problems and provide temporary loaner units so that agencies experience as little system downtime as possible.

WatchGuard only employs the best representatives who share the company commitment and passion for excellent service and support. All representatives are qualified and experienced professionals who strive to maintain the company's position as number one in the industry for customer service and support.

WatchGuard views quality customer service and support as the most important function of the organization. As a company, we have a strong passion for providing thorough, efficient, and fast customer service. WatchGuard continually strives to have the best service team in the industry, and to ensure this we make our representatives available to the more than 6,500 agencies we serve 24 hours a day, seven day a week. A domestic service representative can be reached at any time by dialing our toll-free phone support number - (866) 384-8567. Service requests can also be made on our website, www.WatchGuardVideo.com on the "Support" page.

The WatchGuard repair facility is in our headquarters at:

WatchGuard, Inc.
Attention: Customer Service
415 E. Exchange Parkway
Allen, TX 75002-2616

PROBLEM REPORT AND RESOLUTION PROCEDURES

Available reporting methods include:

- Telephone support
 - The Customer Service call center can be reached by dialing our toll-free number Monday through Friday from 7:00 am to 6:00 pm CST. If calling outside of normal business hours customers have the option to leave a voice message, or in the event of an emergency, call the after-hours support phone number where a representative will be available to provide assistance.
 - Calls received during normal business hours will be answered in the order they are received.
 - Voicemail messages will be returned the next business day.
 - After hours calls that are not immediately answered will be returned within 30 minutes of the initial call.
- Email
 - Customers have the option of contacting customer service by email at CustomerService@WatchGuardVideo.com. Requests received via email will receive a response within 2-4 business hours.
- Web Portal
 - Customers may submit requests through WatchGuard's web portal at <http://cs.watchguardvideo.com>. Requests received through the web portal will receive a response within 2-4 business hours.

Once in contact with a Customer Service Representative, the Representative will create a Case within our internal database and work with the customer to fulfill the request. If necessary, an order for replacement parts will be placed and shipped with a UPS return label if there are components that need to be returned. After the customer is satisfied, the case will be closed. Follow-up will be done as needed to ensure customer satisfaction.



INTERVIEW ROOM SOLUTION

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SOLUTION DESCRIPTION

INTERVIEW ROOM

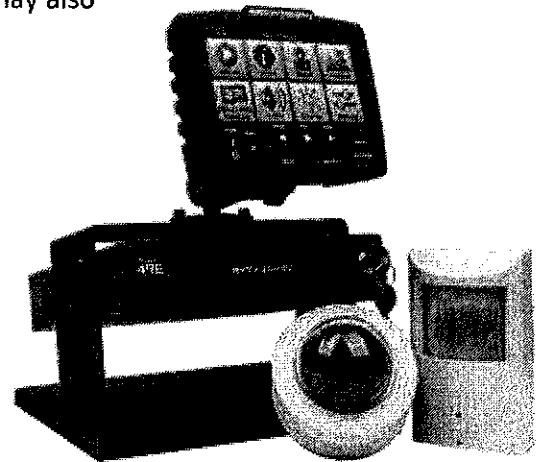
The 4RE Interview Room solution supports Live Video Streaming through WatchGuard Video's Watch-Commander Application. 4RE can create and output additional video streams that are optimized for live video streaming applications (by using lower resolutions and frame rates) without sacrificing any of the high resolution streams that are recorded on the integrated drives.

The Watch-Commander Live Video Streaming application enables agencies to have instant live access to all wirelessly connected 4RE systems. It is a web-based multi-cast application that can be accessed on any workstation or smartphone (iPhone, iPad, Droid, etc.) with the appropriate permissions.

When Live Video Streaming is initiated the 4RE system will give an audible tone and an icon will appear on the display. Users may select any connected camera to view, even if it is not currently being used in the vehicle. Live video streaming does not have an impact on what the vehicle operator sees, or on an in-progress recording. Users may also listen to audio if microphones are active.

Camera Choices

The Department has the choice of one or two cameras, including: a Covert Motion Sensor Hidden Camera, a Covert Pinhole Camera, and a Traditional Dome Security Camera



Microphones

The Dome camera includes an integrated microphone for audio recording. A configuration with either of the other two cameras will include a separate microphone.

Display Panel

The 4RE Interview Room system includes a 4.3" Remote Display Control Panel. Nearly all of the functions that an Officer will interact with on a daily basis are hardware keys laid out along the Control Panel. Preferences such as brightness and volume are also at the push of a button.

Never Miss a Confession

Even when the record button wasn't pushed. Record-After-the-Fact technology provides the power to go back in time and capture important evidence, even days after it happened.

4RE uses an advanced dual drive architecture that provides redundancy and the ability to recover video that was not previously recorded. The first drive is an integrated drive. This drive may be a 64GB solid state drive, or a 200GB automotive grade hard drive. 4RE buffers video and audio (when audio is active) to this drive any time the system is powered up.

4RE also includes a removable 16GB USB flash drive that is secured behind a locking door. All recorded events are copied to this USB drive, giving the Department a redundant means with which to transfer video. If the USB drive were ever used to transfer video, 4RE is still maintaining that video on its integrated hard drive. If that USB drive became damaged or lost 4RE is still protecting its copy. The DVR will protect that video on the integrated hard drive until it receives secure confirmation from the server that the event has been uploaded.

High Definition;

The resolutions of the interview room cameras are listed below. The 4RE in-car video system has high definition cameras, which can be adapted for the interview room, but this configuration is not the recommended deployment.

- Covert Motion Sensor Hidden Camera – 976x494
- Covert Pinole Camera – 400 lines
- Traditional Dome Security Camera – 700 lines

Motion-based trigger

The interview room system includes a lighted easy on wall switch trigger.



PROPOSED INSTALLATION PLAN

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PROPOSED INSTALLATION PLAN

SYSTEM IMPLEMENTATION DETAILED DESCRIPTION

The following task list is broken down by implementation phase. During execution of this project, there are multiple steps that will happen, some concurrently.

I. Planning and Design

The planning and design phase will begin after Project Initiation, and will take several days, up to a week into the project as the work performance site is examined and the final plan is put into place. The following tasks will be required to complete this phase:

1. Call with installer to plan the network topology and installation schedule.
2. Obtain all system settings and parameters, including: user information, security roles, evidence retention, etc.

II. Execution – Information Systems and Fleet Installations

All of these steps will be performed remotely by the WatchGuard Technical Services team or agency approved subcontractors. Project execution steps include:

1. Software installation and configuration on Department provided server.
2. System Configuration
 - a. Install and run the client software locally and from the network.
 - b. Configure all the system settings and parameters, including: user information, security roles, evidence retention, etc. and export the configurations.
 - c. Install and run clients on any machines the Department specifies and test.

III. Testing

A detailed Test Plan and Checklist have been provided in the section below.

1. Begin testing the solution once installed.
2. Apply any updates or fixes as necessary.
3. Deliver the solution to the Department.

4. After the Department is up and running, close monitoring of the solution will begin and will last for several days.

4RE TEST PLAN

TEST-01: Operational Testing

Once the system hardware and software is installed the Technicians will begin Operational Testing.

TEST-02: Final Acceptance Testing

During Final Acceptance Testing the Agency will evaluate the performance of the complete 4RE system for 30 days with 24/7 support from WatchGuard's Customer Service Team. The Agency is encouraged to sign up for our Web Portal to access our issue-tracking system. Any issues can be submitted over the phone, via email or through the Web Portal.

IV. Training and Handoff

Training and knowledge sharing are important aspects of WatchGuard Video's overall solution. WatchGuard Video's goal is to help all stakeholders (officers, supervisors, system administrators, installers, etc.) to obtain a level of training required for their specific role. To achieve this goal, WatchGuard will provide useful reference documentation for the operation of the system. Additionally, WatchGuard offers on-line training via our internet portal.

1. Delivery – After successful completion of the solution, it will be handed off to the Department.
2. Support
 - a. Once the Department has taken over the day to day use of the video and evidence management solution, WatchGuard Video will begin the support phase. In this phase we will provide ongoing support to the Department as needed. Support types include:
 - 24/7 Telephone Support
 - Remote Access (If approved by the Department)
 - Onsite (Additional fees may apply)



COST PROPOSAL

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SOLUTION COST BREAKDOWN

Item #	Description	Qty.	Unit Price	Extended Price
INTERVIEW ROOM HARDWARE				
1	4RE Interview Room System	1	\$4,695.00	\$4,695.00
2	Interview Room - Second Camera <i>Optional second camera for interview room system. Can be: Dome/Integrated Mic, Pinhole w/ Separate Mic, or Covert Motion Sensor w/Separate Mic.</i>		\$200.00	\$0.00
3	RCA Coupler, Interview Room, Male to Male	1	\$5.00	\$5.00
4	Audio Amplifier w/Power Supply, Interview Room, Line Level (for Cabin Mic)	1	\$85.00	\$85.00
EVIDENCE MANAGEMENT SOFTWARE				
5	Evidence Library 4 Site License	1	\$1,000.00	\$1,000.00
6	Evidence Library 4 - 4RE Device License <i>Includes 1st year of Software Maintenance</i>	1	\$150.00	\$150.00
Watch Commander Live Video Streaming Software				
7	Watch Commander Software Installation Disc w/ Case and Document	1	\$2,500.00	Included
8	Watch Commander License Fee	1	\$250.00	Included
WARRANTIES AND MAINTENANCE				
9	Warranty, 4RE, In-Car, 1st Year (Months 1-12)	5	--	Included
10	Warranty, 4RE, In-Car, 2nd Year (Months 13-24)		\$100.00	\$0.00
11	Warranty, 4RE, In-Car, 3rd Year (Months 25-36)		\$200.00	\$0.00
12	Warranty, 4RE, In-Car, 4th Year (Months 37-48)		\$325.00	\$0.00
13	Warranty, 4RE, In-Car, 5th Year (Months 49-60)		\$450.00	\$0.00
14	Warranty, 4RE, 5 Year Hardware and Software Bundle		\$1,375.00	\$0.00
15	Evidence Library 4 Software Maintenance, 1st Year	1	--	Included
16	Evidence Library 4 Software Maintenance, 2nd Year		\$150.00	\$0.00
17	Evidence Library 4 Software Maintenance, 3rd Year		\$150.00	\$0.00
18	Evidence Library 4 Software Maintenance, 4th Year		\$150.00	\$0.00
19	Evidence Library 4 Software Maintenance, 5th Year		\$150.00	\$0.00
IMPLEMENTATION SERVICES				
20	System Configuration - Remote	1	\$750.00	\$750.00
21	4RE System Installation, Interview Room (per Unit Charge)	1	\$1,500.00	\$1,500.00
Shipping				Included
SOLUTION TOTAL				\$8,185.00

OPTIONAL ITEMS

Item #	Description	Qty.	Unit Price	Extended Price
1	4RE High Definition In-Car Video System		\$4,795.00	
2	4RE Motorcycle Video System		\$5,295.00	
3	4RE High Definition In-Car Video System with Integrated VISTA WIFI		\$5,495.00	
4	4RE In-Car 802.11n Wireless Kit, 5GHz		\$200.00	
5	HD Zoom Camera Upgrade		\$200.00	
6	HD Panoramic Camera Upgrade		\$200.00	
7	VISTA HD Wearable Camera, Standard Capacity		\$795.00	
8	VISTA HD Wearable Camera, Extended Capacity		\$895.00	
9	VISTA HD WiFi Wearable Camera		\$995.00	
10	VISTA HD, USB Charge and Upload Docking Base		\$95.00	
11	VISTA XLT Wi-Fi Enabled Body-Mounted Camera Kit		\$1,095.00	
12	VISTA XLT Wi-Fi Enabled Head-Mounted Camera Kit		\$1,095.00	
13	Oakley Flak Jacket Glasses		\$149.95	
14	4RE, VISTA, Smart PoE Switch		\$250.00	
15	VISTA Vehicle Trigger Kit		\$795.00	
16	VISTA HD 8 Bay Ethernet Transfer Station		\$1,495.00	
17	VISTA, VISTA HD, WIFI Charging Radio Base Station		\$200.00	
18	VISTA HD 7 Port USB Hub		\$30.00	
19	VISTA USB Charge and Upload Docking Base		\$95.00	
20	VISTA HD Chest Mount with Straps		\$80.00	
21	VISTA HD, Locking Magnetic Chest Mount (without Straps) - KIT1		\$50.00	
22	VISTA HD Duty Belt Clip		\$20.00	
23	VISTA HD Shirt Clip with Slider		\$30.00	
24	VISTA HD, Molle Vest Adapter Clip		\$20.00	
25	VISTA HD, Tripod Mount Base Adapter		\$35.00	
26	VISTA HD, Velcro Backing Plate (with Hook/Loop Velcro Set uninstalled)		\$20.00	

ORIGINAL



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
729 MAPLE ST / PO BOX 100
HILLSBORO MO 63050
WWW.JEFFCOMO.ORG

BID #: 18-0055

Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

**Specification
Contact:**

LT. WILLIAM DUNN
Department of the Jefferson County Sheriff
636-797-5526
wdunn@jeffcomo.org

**Contract
Contact:**

VICKIE PRATT
Department of Administrative Services
636-797-5380

**Mail (3) Three
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Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME
VENDOR ADDRESS
CONTACT NUMBER **DEPARTMENT OF THE COUNTY CLERK**
JEFFERSON COUNTY MISSOURI
729 MAPLE ST / PO BOX 100
HILLSBORO MO 63050-0100
SEALED PROPOSAL: (PROPOSAL NAME)

**Contract Term:
upon approval by
the County Council
and County
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The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

<u>C Beyondata</u>	<u>Douglas A. Schmittkrecht</u>
Company Name	Authorized Agent (Print)
<u>9435 Lorton Market St</u>	<u>[Signature]</u>
Address	Signature
<u>Lorton VA 22079</u>	<u>SR Law Enforcement Program Mgr.</u>
City/State/Zip Code	Title
<u>540-287-7908</u>	<u>8-14-18</u>
Telephone #	Date
<u>DougS@cbeyondata.com</u>	<u>54-1841984</u>
E-mail	Tax ID #
	<u>571-210-4767</u>
	Fax #

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$ 19,546.75



CBeyondData®

Interview Room Recording & Digital Evidence Management System

Jefferson County Department of Administrative Services

Solicitation: RFP Item #18-0055

RFP Due: Tuesday, August 14, 2018 @ 2:00 p.m.

Contact: Douglas Schmidtknecht, LE Program Manager, dougs@cbeyonddata.com, 540-287-7908

This quotation includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed in whole or in part for any purpose other than to evaluate this quotation. If, however, a purchase order is awarded to this offeror as a result of or in connection with the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting purchase order. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets 1-12.



August 14, 2018
Vickie Pratt
Department of Administrative Services
636-797-5380

Ms. Pratt,

cBEYONData is pleased to submit this response for the "Sheriff's Office Interview Room Camera and Recording System 2018." cBEYONData provides management and technology professional services with an emphasis on the design, implementation, and sustainment of business intelligence solutions for Federal, State, and Local agencies.

cBEYONData is partnering with Cardinal Peak Technologies (CPT) to provide a state of the art Interview Room Recording Management System (IRMS). CPT is the developer of the CaseCracker Interview Management System, the industry-leading solution for recording of custodial interrogations for law enforcement.

cBEYONData is proud to employ highly skilled personnel with relevant and multiple years of IT services, and solutions experience in support of Law Enforcement and Intelligence Community needs.

Company Name	DCS Consulting, Inc. (dba cBEYONData)
Address	9435 Lorton Market St. #720, Lorton, VA 22079
Point of Contact	Dorinda Schmidtkecht, President
POC Telephone Number	(703) 690-5730 Ext. 102
POC E-mail Address	dorindas@cbeeyondata.com
Identification of Business Size	Economically Disadvantaged Woman-Owned Small Business (EDWOSB) Certified by U.S. Women's Chamber of Commerce
DUNS Number	966134368
NACIS Codes	Primary NAICS: 541511 Other NAICS: 511210, 541219, 541330, 541512, 541513, 541519, 541611, 541618, 561110

We look forward to pursuing a relationship with the Jefferson County, MO and the Jefferson County Sheriff's Office and desire to expand into a successful partnership. Please contact me if you have any questions or require additional information. I can be reached at (703) 690-5730 extension 102 or by email at DorindaS@cbeeyondata.com.

Respectfully,

Dorinda Schmidtkecht
President & COO
cBEYONData

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Section A: References.

The cBEYONData Team works with various government agencies on numerous projects. In addition, cBEYONData holds several contracts with law enforcement including; the Federal Bureau of Investigation, United States Marshall's Service, and the Department of Justice. Our partner, Cardinal Peak Technologies (CPT) is the developer of the CaseCracker products, the industry-leading solution for recording of custodial interrogations for law enforcement.

CaseCracker has been adopted by over 1300 agencies and locations worldwide. These agencies include local police and sheriff departments, state agencies, and several large Federal agencies such as US Naval Criminal Investigative Service, US Coast Guard Investigative Service, US Air Force Office of Special Investigations, and the US Army Criminal Investigation Division.

This team knows and understands the nature of public sector work and its decision-making process. cBEYONData has extensive experience with designing, installing and integrating CaseCracker Interview Room Systems. The cBEYONData Team is led by Mr. Douglas Schmidtknecht who was the Technical Program Manager for the FBI, responsible for leading and installing CaseCracker at over 50 locations within more than 100 Interview rooms. The following FBI Field Offices (FO) and Resident Agencies (RA) (The small remote offices in the FO Area of Responsibility) have been equipped with the CaseCracker:

- Atlanta, GA Field Office.
- Baltimore, MD FO and all RA's.
- Charlotte, NC FO and all RA's.
- Chicago, IL FO and all RA's.
- Norfolk, VA FO and all RA's.
- Tampa, FL FO and all RA's.
- St. Louis, MO, Kirksville, and Cape Girardeau RA
- Washington DC FO and all RA's

Mr. Schmidtknecht was the Program Manager and led all of these installations. As a reference the FBI offices completed in Missouri include:

- 1) FBI Kirksville RA located at: 201 North Elson, Bank Midwest, Room 203, Kirksville, MO 63501 – Installed 1 Interview Room CaseCracker System.
- 2) FBI Cape Girardeau RA located at: 3056 William St., Cape Girardeau, MO 63703 - Installed 1 Interview Room CaseCracker System.
- 3) FBI St. Louis Field Office located at: 2222 Market St., St. Louis, MO 63103 - Installed 7 Interview Room CaseCracker Systems.

FBI Reference:

SET Andrew Melendez

Federal Bureau of Investigation, Operational Technology Unit, Video Surveillance Unit

Building # 27958-A

Quantico, VA 22135

E-Mail) andrew.melendez@ic.fbi.gov

W) 703-985-6626

SET Melendez is the main POC within the FBI. However, if additional references are needed

from MO, they can be provided.

Case Cracker References

Project Data and Information Sheet (References)

Please see below for a select list of CaseCracker Interview Management System references.

Police

Prince William County Police Dept, VA
Phillips Police Department, WI
Lakewood Police Department, WA
Boulder Police Department, CO

David Jetkiewicz, MIS (703) 792-4422
Captain David Sonntag (715) 339-3847
Lieutenant Chris Lawler (253) 830-5011
Sergeant Tom Trujillo (303) 441-3338

Sheriff

Boulder County Sheriff's Office, CO
Columbia County Sheriff's Office, NY

Jeremy Shavin (303) 441-3379
Kevin Skype (518) 697-0112

Military

Air Force Office of Special Investigations
Army Criminal Investigation Division
Naval Criminal Investigative Service

Contact information available upon request
Contact information available upon request
Contact information available upon request

Federal

Architect of the Capitol, DC
US Capitol Police, DC

Contact information available upon request
Sergeant Joel Hobbs (202) 224-5151

University

University of Florida Police Department, FL
Bentley University Police Department, MA
University of Maryland Police Department, MD

Detective Michael Metz (352) 273-3321
Dorothy McGuire (781) 891-2401
Lieutenant Jim Goldsmith (301) 405-5766

Child Advocacy

Lifeshouse Child Advocacy Center, KS
Child Advocacy Centre of Simcoe, Ontario, CAN

Exec. Director, Kelly Stephens (785) 232-5433
Director, Jennifer Jackson (705) 327-0118

Hospital

Day Kimball Hospital, CT

Christine Collins (860) 963-6599

Section B: Technical Proposal

1. Introduction

1.a Company Profiles, Achievements, Technology and Technical Approach.

Company Name	DCS Consulting, Inc. (dba cBEYONData)
Company Point of Contact	Douglas Schmidtknecht, LE Program Manager (540)287-7908 dougs@cbeyondata.com
DUNS	66134368
TIN	54-1841984

cBEYONData is a purpose-built professional services company that specializes in supporting mission-driven agencies and organizations with the enhancement and automation of business processes. cBEYONData personnel excel at cloud migrations and enablement, business intelligence, data management, data analytics, agile project and process management, dashboards, and geo-mapping. We leverage these capabilities to improve our customer's return on investment, enabling higher success with achieving our customer's mission. cBEYONData employs approximately 42 employees in the LE and IC technology sector.

The cBEYONData Team will be led by Program Manager and technical consultant Douglas A. Schmidtknecht. Mr. Schmidtknecht retired from the Federal Bureau of Investigation (FBI) as Special Agent and Technical Manager in the Operational Technology Division (OTD). OTD is charged with developing and deploying state-of-the-art investigative technological tools that support all FBI intelligence and investigative priorities. Mr. Schmidtknecht completed the FBI's pilot installation of their Interview Recording Management System (IRMS) and in this capacity, he facilitated the design, development, installation, and integration of the current FBI IRMS CaseCracker recording Systems.

1.a Transition Plan

cBEYONData understands the Jefferson County is seeking an experienced firm to provide, install, configure, and deploy a law enforcement interview room recording system to support the Jefferson County Sheriff's Office (JCSO). With the proven expertise of the cBEYONData Team, we are certain that our proposed solutions will exceed JCSO's expectations for an Interview Recording Management System (IRMS).

To understand the JCSO unique needs and requirements, Douglas Schmidtknecht visited the JCSO facilities on August 1, 2018 and met with SGT. Scott Poe to complete a comprehensive survey. Performing this on-site survey allows us to fully understand your requirements and enables us to propose the best solutions available. Based upon the RFP and survey, the cBEYONData Team provides the following Response for your consideration.

The JCSO currently uses a Veripic Interview Room System, and Evidence Management System. The JCSO will be able to replace their Interview Room System with a CaseCracker System and will still be able to import the CaseCracker Interview Videos into the existing Digital Evidence Management System. Based on our on-site survey and JCSO's requirements, we propose the CaseCracker Onyx (CCO) solution which is easy to administer and use by all LE personnel. The CCO and its components will be described in detail below. In addition, we will describe our plan to install, test, validate, and train JCSO personnel.

2. Operational Requirements, Roles,

Roles of Proposed Team:

- cBEYONData is the Prime Contractor and will lead all work on this effort. The Project lead from cBEYONData will be Douglas Schmidtknecht, who will be onsite to oversee all functions to include:
 - Removal of old equipment.
 - Installation of all new equipment.
 - Setup of all new equipment.
 - Testing of all new equipment.
 - Training on the systems.
- Cardinal Peak Technologies (CPT) will provide the CCO equipment. CPT will assemble the Commercial Off-The-Shelf (COTS) hardware, install their custom software, and test the equipment at their facility before it will be delivered to the JCSO facility.

During the Installation, Mr. Schmidtknecht and possibly one Technician will be on site through the completion of the installation. Mr. Schmidtknecht has worked with Cardinal Peak to install over 100 IRMS's. All of these installations have been done with the proposed CCO solution.

Key Personnel – PM Douglas A. Schmidtknecht, Resume included at the end of this proposal.

CaseCracker Onyx (CCO) Lite is a networked interview recording solution with multiple configuration options available to support up to 2 rooms. Features includes:

- A headless server performs audio and video recording, secure hashing, indexing, storing and streaming of live and recorded interviews. It is offered in several platforms to fit various deployments.
- Numerous redundancy features built throughout the system to ensure reliability.
- Independent storage of working and evidentiary copies stored on RAID based hard drives.
- The ability to record, review, and export interviews from your desktop Windows PC.
- A simple interface allows you to start a recording with a single switch or by using a computer monitoring workstation.

- The ability to export recordings in non-proprietary open file formats playable on any computer.
- An intuitive search functions make it easy and quick to find recordings.
- The ability to easily integrate into other system.
- CCO provides choices of high definition (HD Internet Protocol (IP) cameras are available in covert, overt and PTZ.

2.a. Equipment and System Requirements for the JCSO

The proposed solution for the Interview Rooms is the for the JCSO Facility is the CCO Lite. The CCO uses CentOS operating System and a CaseCracker database system to store files inside the server. This system allows interview recordings to be easily accessible and retrievable.

The CCO Lite system is a client server architecture. The server is preconfigured with the CCO software. The CCO Lite system includes a compact server suitable for small remote deployments. The Onyx Lite system supports up to 2 rooms with two cameras and two microphones per room. The CCO client is hosted on the CCO Lite server just like the CCO Enterprise version. Users access the client through a desktop shortcut on their PC.

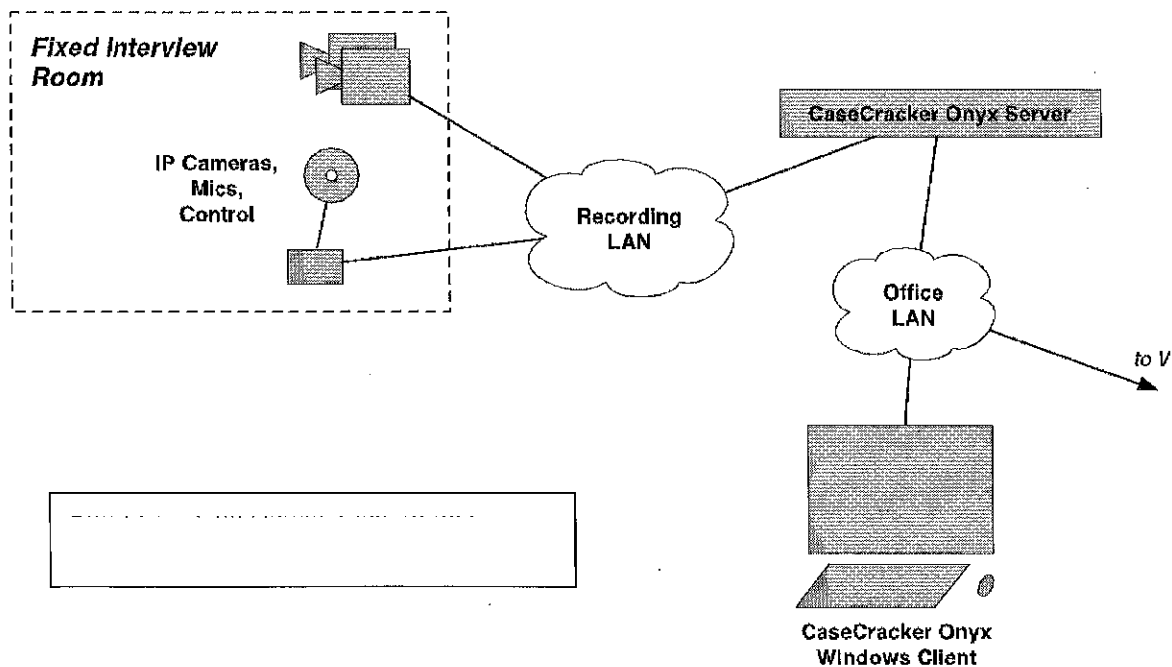


Figure 1 shows a conceptual view of the CCO system. A fixed interview room is shown in the upper left corner. Video recorded from a fixed interview room enters the system from the upper left corner. Although only one room is shown in the figure, up to 16 rooms can be supported based on the server size and configuration for each location. The CCO Server forms the heart of the system, and performs recording, secure hashing, indexing, storage, and streaming. Users interact with the system through the CCO Client, shown in the lower right of Figure 1. This is a

Windows application that allows users (based on authorization level) to view live video and audio, review recorded content, add and edit metadata, search, export, and import recordings.

2.b. Interview rooms at the JCSO Main Facility.

JCSO Facility

The JCSO Facility located at 400 First Street, Hillsboro, MO 63050, is in need of a recording system to support one room, but expandable to two interview rooms. The CCO Lite system will support up to two rooms. The following system component's will be required to support this facility.

- CCO-LITE-STD-1 – Onyx Lite Standard 1 Room
 - CaseCracker Onyx Lite Standard one room includes a server complete with 2TB of storage, one room controller and power supply, one wall or ceiling microphone, and one covert or overt camera. 3-year software support and hardware warranty included.
- CCO-MCL – Additional Microphone
 - Although not required, cBEYONData recommends a second microphone to obtain the best sound quality possible. The CaseCracker system uses Louroe wall and ceiling microphones known as Verifact A & D.
- CCO-CAML – Additional Camera – Dome/PIR/Therm/PTZ
 - Although not required, cBEYONData recommends a second camera to support this system, which will ensure a HD video for the entire room view and a closer person view.
- CCO-IPL – Interview In-Progress Kit
 - Although not required, cBEYONData recommends an Interview In-Progress Kit to support this system, this will inform the users that the system is recording and functioning properly.
 - The interview-in-progress kit includes: an illuminated “in use” sign positioned outside of the interview room, to warn others that a live recording is in progress. An interior light indicates that all components are operating as expected, and a momentary wall switch to start and stop the recording.
- CCO-CMW – Control Monitoring Workstation (CMW)
 - The CMW is a suggested item, which is outfitted to maximize the CCO as a monitoring system. The CCO can be equipped with multiple monitoring computers.
 - The CCO CMW is a PC that comes pre-installed with Windows 10 operation system, 500 GB HDD, 8 GB RAM, 22" monitor, soundbar, external DVD/Blu-ray burner, keyboard and mouse. Includes 5-year hardware warranty.
- CCO-SHIP - This line item as priced is the cost of shipping the CCO equipment to the JCSO.
- CCO-INSTALL – This line item includes:
 - Removal of old equipment.
 - Installation and mounting of new equipment.

- Running cable and wire to support the CCO IRMS.
- Testing and validating the CCO IRMS.
- On Hands Training for the JCSO personnel.

2.c. Optional Items

Optional Case Cracker Items

The optional Items listed below are quoted with MSRP, if the JCSO determines they need one or any of these we will provide a modified quote. However, these items are optional and can be added to the system being installed at the JCSO:

- CCO-UPS – Server UPS System.
 - The 1U rackmount UPS system provides battery backup, power protection, and surge protection for the CCO. A 5-year hardware warranty included.
- CCO-L-RK – Additional Room Kit.
 - The Additional Room Kit includes room components for one room and 3-years of software support and hardware warranty. This kit is to be used when adding an additional room to the Lite or Lite Premium 1 room product.
 - This would be needed if a second room needed to be wired as an IRMS.
- CCO-MCL – Additional Microphone
 - Although not required, cBEYONData recommends a second microphone to obtain the best sound quality possible. The CaseCracker system uses Louroe wall and ceiling microphones known as Verifact A & D.
 - This would be needed if a second room needed to be wired as an IRMS
- CCO-CAML – Additional Camera – Dome/PIR/Therm/PTZ
 - Although not required, cBEYONData recommends a second camera to support this system, which will ensure a HD video for the entire room view and a closer person view.
 - This would be needed if a second room needed to be wired as an IRMS
- CCO-IPL – Interview In-Progress Kit
 - Although not required, cBEYONData recommends an Interview In-Progress Kit to support this system, this will inform the users that the system is recording and functioning properly.
 - The interview-in-progress kit includes: an illuminated “in use” sign positioned outside of the interview room, to warn others that a live recording is in progress. An interior light indicates that all components are operating as expected, and a momentary wall switch to start and stop the recording.
 - This would be needed if a second room needed to be wired as an IRMS
- CCO-L-FLAG – Flagging Kit.
 - The flagging kit includes a momentary contact switch that when pressed places an index flag in the video recording. The button is to be placed under a table and in close proximity to the interviewer. This is a hard-wired switch.

2.d. Installation, Configuration, Testing, and Training of Required Software. (Transition Plan)

The cBEYONData Installation Team requires 16 hours or 2 Business Days to complete the removal of old equipment, installation of new equipment, testing and training on the new system. Therefore, the interview room facility will not be available during installation time. The installation quote includes the additional preparation and documentation time required by every installation. The assumption is the installation will take place during normal business hours of Monday-Friday. However, the cBEYONData Team can coordinate weekend or off hour installation hours as needed. There may be a nominal charge if non-business hour installations are required.

After the hardware installation is complete the cBEYONData Team will work with the Information Technology Department personnel to setup the software systems and define the parameters of the system(s) for Administrators and normal Users. When this is complete, the cBEYONData team will conduct a formal Burn-In Test and provide a formal Check-Off Sheet with the customer.

Once the setup is complete cBEYONData personnel will provide formal training with any available users. The cBEYONData team can support the installation of this systems in 2018 or 2019 if requested.

The cBEYONData is available for a follow-up demonstration or questions as needed.

Additional Qualifications of cBEYONData and CPT.

The focus of cBEYONData and CPT is to support all Law Enforcement activities with surveillance of individuals during interviews. The CaseCracker System is designed to ensure all evidentiary audio, video, and metadata is recorded and stored in manner to meet the rules and regulations to be accessible for court proceedings. In addition, the individuals who use CCO system will realize the ease of use this system affords. They will feel comfortable testifying to the evidence being provided through the system. cBEYONData has years of experience providing Law Enforcement training, using experienced Law Enforcement Officers. The PM of this project Douglas Schmidtknecht has been certified by the FBI Academy as an instructor and has taught hundreds of students on various technical surveillance systems. In addition, Mr. Schmidtknecht has testified in Federal Court as an Expert Witness. cBEYONData and CPT have assembled training material to meet LE needs and are comfortable with providing the training in the format selected by JCSO.

Scope of Services: cBEYONData understands the needs and requirements of the JCSO, as noted Douglas Schmidtknecht met with JCSO representatives, provided a demonstration of the CaseCracker Software and conducted a thorough survey of the space, including the Interview room, the server room, and the monitoring room. This meeting and survey helped ensure cBEYONData will meet or exceed the JCSO requirements.

- cBEYONData will remove the old recording system and install the new CaseCracker system in the current interview room system.
- The installation will include two individual HD cameras, concealed to represent normal items in a room. Each camera will provide a separate video stream, one will provide a view of the entire room and the other will provide a close-up view of the individuals being interviewed.
- The installation will include two individual microphones concealed in the room, which will ensure redundancy and pure audio recordings.
- The CCO provides various levels of access for individuals to ensure the safety of the evidence. The CCO provides logging and monitoring of all individual accounts accessing the Interview Recording System.
- The CCO product being installed includes a 3-year warranty and software license agreement (SLA) for this product. SLAs can be extended beyond 3-years for a nominal charge.
- The CCO product being installed is expandable up to two rooms. However, if future requirements are needed to go beyond two rooms, additional hardware can be procured to easily expand to more areas.
 - CPT also sells a portable system, with similar capabilities and an identical user interface.
- The CCO product allows all recordings to be exported to a standard MP4 file. This standard can be copied, played, and reviewed by any standard Windows or Apple Operating System Computer. In addition, the evidence files are verified and validated using NIST standard SHA-256 hashing. The CCO also provides a validation report for every interview recording.
- Most employees of cBEYONData have current security clearances, in particular, Douglas Schmidtknecht has a Top Secret Clearance. Any other personnel who do not have a clearance, will be available and able to pass a background check.
- The CCO meets all Federal, State, and Local evidence standards. cBEYONData can provide specific training on evidence control if JCSO provides their policies to train to.
- cBEYONData will provide a 24-hour trouble shooting contact at the completion of the installation.

Payment and Accounting Procedures:

cBEYONData will provide an invoice upon completion and verification of the installation. cBEYONData complies and understands the requirement of generally accepted accounting practices. These practices are currently being followed on several other contracts where we support Federal, State, and Local contracts.

Reporting of Accidents or Incidents and staffing requirements:

cBEYONData will submit names, DOB, SSN, and DLs at minimum of three days prior to starting work. cBEYONData personnel will :

- report any accident or incident to the appropriate JCSO POC.

- follow all JCSO security rules.
- Wear JCSO identification and return upon completion of work.

Technical Support Calls will be handled primarily by cBEYONData personnel, who will be available on a 24-hour service/trouble shooting. In addition, CPT personnel will assist and are available to provide technical support on all CCO equipment.

Section C: Cost Estimate Details:

CC ITEM #	Item Name	Description	MSRP	Qty.	Discount & Bid Price
CCO- LITE-STD- 1	Onyx Lite Standard 1 Room	CaseCracker Onyx Lite Standard one room includes a server complete with 2TB of storage, (1) room controller and power supply, (1) wall or ceiling microphone, and (1) covert, overt, or PTZ IP camera. 3-years of software support and hardware warranty included.	\$ 10,995.00	1	\$ 10,445.25
CCO-L- CAM	Camera: Dome/PTZ/ Therm/PIR	The Axis P1264 pinhole IP camera is assembled into a covert thermostat housing for discreet recording of a close-up view. Camera resolution: up to 1280x720, Lens: Fixed iris, fixed focus, pinhole, 3.7 mm, Frame rate: 25/30 fps (50/60 Hz), Minimum illumination: 0.5 lux, Power: power over ethernet, various image settings available.	\$ 1,345.00	1	\$ 1,277.75
CCO-L- MC	Microphone	The Verifact D microphone is in a discreet rectangular silver plate housing to be installed on the wall near the interviewee. Dimensions: 2.5" wide and 4.5" high.	\$ 465.00	1	\$ 441.75

CCO-L-IP	Interview In Progress Kit	The interview-in-progress kit includes: an illuminated "in use" sign to warn others that a live recording is in progress, an interior room light indicating that all components are operating as expected, and a momentary wall switch to start and stop the recording.	\$ 565.00	1	\$ 536.75
CCO-CMW	Control Monitoring Workstation	The CaseCracker Onyx Control Monitoring Workstation is a PC that comes pre-installed with Windows 10 operation system, 500 GB HDD, 8 GB RAM, 22" monitor, sound bar, external DVD/Blu-ray burner, keyboard and mouse. Includes 5-year hardware warranty.	\$ 3,995.00	1	\$ 3,795.25
CCO-SHIP	Shipping	All Equipment shipped to installation location.		1	\$ 50.00
INSTALL	Installation	Removal of old equipment, Installation of new equipment, and hands-on training to required personnel.		1	\$ 3,000.00
Total Installation Bid					\$ 19,546.75

Optional Equipment

CCO-UPS	Server UPS System	The 1U rackmount UPS system provides battery backup, power protection, and surge protection for the Onyx Server. 5-year hardware warranty included.	\$ 465.00		
CCO-L-RK	Additional Room Kit	The Additional Room Kit includes room components for one room and 3-years of software support and hardware warranty. This kit is to be used when adding an additional room to the Lite or Lite Premium 1 room product.	\$ 8,495.00		

CCO-L-FLAG	Flagging Kit	The flagging kit includes a momentary contact switch that when pressed places an index flag in the video recording. The button is to be placed under a table and in close proximity to the interviewer.	\$ 75.00		
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Section D. Miscellaneous Information on CaseCracker Onyx

SAMPLE SUPPORT AGREEMENT (AND HARWARE WARRANTY)

CASECRACKER
by Cardinal Peak

CaseCracker Onyx Support Agreement/Hardware Warranty – 3 year

Replacement Parts Are Available by Contacting CaseCracker Technical Support:

Hours: 8:00 am to 5:00 pm Mountain Time Monday-Friday (holidays excluded)

Phone: (720) 442-7072 ext. 1

Email: support@casecracker.com

Hardware Warranty:

When you contact Cardinal Peak Technologies, please be prepared to provide the SN of the server and the version of software you are currently running.

Once the replacement part needed is identified, the item will be expedited (next business day) to the appropriate location. Guidance on how to install the replacement part will be provided either verbally, via email or through a demonstration video.

If the part is not easily replaceable (i.e. the motherboard on a server fails) a new unit will be expedited to the customer and the old unit will be sent back to Cardinal Peak. If the part is not easily replaced by the customer (i.e. the motherboard on a server fails) a new unit will be expedited to the customer and the old unit will be sent back to Cardinal Peak Technologies.

Replacement Parts Covered (products must have been originally distributed by Cardinal Peak Technologies):

- Control Monitoring Workstation
- SuperMicro Server
- Exterior In-Use Light
- Interior Warning Lights
- UPS and Power Supplies
- Flagging Button
- Hard Drives
- Microphones
- Wall Switches
- Blu-Ray Burner
- Room Controllers
- Cameras
- Monitor, Keyboard and Mouse

Warranty Coverage Damage Exclusions:

- Servicing not authorized by Cardinal Peak Tech
- Improper voltage selection on systems power supply
- Usage not in accordance with product instructions
- Unreasonable or excessive use

- Accidental damage
- Act of God, fire, flood, act of violence or similar
- Malicious damage
- Environmental conditions

Data Loss:

The customer is responsible for the security, backup & reinstallation of their data at all times. Cardinal Peak Technologies accepts no liability for loss of software or data. As such, routine data backups are recommended.

In rare instances should all four hard drives fail, customer data stored on the defective hard drives may be unrecoverable depending on the severity of the failure. The hard drives will be replaced, and the system restored to a functioning empty CaseCracker system, (essentially back to original factory settings.) It is important to routinely and promptly burn or export copies of your interviews off the system on to external media.

SAMPLE SOFTWARE LICENSE AND SUPPORT AGREEMENT**CaseCracker Onyx Software License/Support – 3-year**

The purchase of your CaseCracker Onyx Software includes the support specified below for the licensed "Software":

1. DEFINITIONS:

- "Major Release" shall mean a release of the Software, which provides significant additional value or utility to the Software.
- "Minor Release" is a release of the Software other than a Major Release.
- "Patch" shall mean a fix or workaround for a customer identified Software defect, which corrects, avoids or provides a workaround for such defect.
- "Severe Software Problem" shall mean a Software defect, which causes frequent Software crashes, a loss or corruption of stored data, or that renders the CPU on which the Software is running unusable.

2. NEED FOR LICENSE

Support for and use of the Software is contingent upon Customer having in effect a valid license with Cardinal Peak to use the Software.

3. TERM

The term of this Agreement shall be three years from the purchase date of Support and is subject to renewal upon the mutual agreement of both parties. To continue to receive Support, Customer must have in effect a valid Support Agreement.

4. FEES

Customer shall pay Cardinal Peak Technologies reseller the fees specified on the invoice in U.S. Dollars. Such fee will be due within thirty (30) days of receipt by Customer of the invoice. This fee is exclusive of any local, state or federal sales, use or any other applicable taxes, the payment of which are Customer's responsibility.

5. CUSTOMER CONTACTS

Customer shall designate two persons, one of whom shall be the primary and the other of whom shall be the backup, respecting Customer's communications with Cardinal Peak relating to the support of the Software under this Agreement. Such persons shall be the only persons with whom Cardinal Peak is required to communicate under this Agreement. Except as otherwise specified below, communications may be affected by telephone or e-mail.

6. ELEMENTS OF SUPPORT FOR THIS AGREEMENT:

The Support services specified below will be provided as follows:

- For the then current Major Release of Software: during the entire term of this Agreement.
- For the immediately preceding Major Release of Software: during the period ending on the earlier of the expiration date of this Agreement or twelve (12) months after the date the most current Major Release is made available.

Support will consist of the following:

- Telephone or e-mail support to resolve Software problems, Monday – Friday, 8:00AM to 5:00PM Mountain Time USA, Cardinal Peak holidays excluded. Cardinal Peak will provide a response by the end of the next business day.

7. PROVISION OF RELEASES

Cardinal Peak will make available Minor Releases and Patches to Customers with a valid software support agreement within a reasonable time after they become available. Cardinal Peak does not guarantee that a Minor Release or Patch will fix a specific Software problem, or that it will issue a Minor Release or Patch for a reported Software problem. However, if notified by Customer via phone or e-mail of a Severe Software Problem, Cardinal Peak will use reasonable efforts to fix such Severe Software Problem or issue a Patch or Minor Release with respect to such Severe Software Problem.

Patches released by Cardinal Peak will only be issued for the then most current Major Release of Software. Cardinal Peak reserves the right to charge Customer a separate fee to upgrade to a Major Release.

Solely for purposes of Cardinal Peak performing its obligations under this Agreement, Customer shall give Cardinal Peak reasonable access to the Software, the system(s) in connection with which the Software is used, the Software documentation and other relevant records and documents, and shall provide such other reasonable assistance as Cardinal Peak may request.

Cardinal Peak can only guarantee the ability to support the Software if it is in the state delivered by Cardinal Peak and it is installed in accordance with Cardinal Peak's recommended installation procedures. Cardinal Peak's only obligation in the event that a customized system fails is to help Customer restore the Software to its original state, plus help Customer preserve the data when Customer attempts to reinstall such Software back to its original state. However, there may be extra charges for such activities by Cardinal Peak. Cardinal Peak does not guarantee that Customer will be able to successfully modify the Software back to its original state or that Customer will be able to preserve data when reinstalling such original version of Software.

8. SUPPORT EXCLUSIONS

This Agreement does not cover support for hardware or for any software other than the licensed Software.

9. OTHER SUPPORT PROVISIONS

Neither party shall be liable to the other for its failure to perform any of its obligations hereunder during any period in which such performance is delayed by circumstances beyond its reasonable control (including, but not limited to work stoppages, fires, civil disobedience, Acts of God and similar occurrences), provided that the party experiencing such delay promptly notified the other party of the delays.

IN NO EVENT SHALL CARDINAL PEAK BE LIABLE TO CUSTOMER FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS LOST CONTRACTS OR PROFITS) IN ANY WAY ARISING OR RELATED TO THIS AGREEMENT OR THE USE OF THE SOFTWARE UNDER A CLAIM OF ANY TYPE OR NATURE BASED ON ANY THEORY FOR LIABILITY (INCLUDING CONTRACT, TORT OR WARRANTY) EVEN IF THE POSSIBILITY OF SUCH DAMAGES HAS BEEN COMMUNICATED. IN ADDITION, CARDINAL PEAK'S LIABILITY TO CUSTOMER ARISING OUT OF OR RELATING TO THIS AGREEMENT SHALL IN NO EVENT EXCEED THE TOTAL AMOUNT OF FEES ACTUALLY PAID BY CUSTOMER.

If any provision of the Agreement is held invalid by any law, rule, order or regulation of any government or by the final determination of any State or Federal court, such invalidity shall not affect the enforceability of any other provisions not held to be invalid. No delays or failure of Cardinal Peak to exercise any right or remedy will operate as waiver thereof. No waiver of any of the provisions of this Agreement for a particular situation shall be deemed or constitute a permanent waiver of such provision for any other situation, nor shall such waiver constitute a waiver for the same situation if it should recur.

This agreement is the entire agreement between the parties pertaining to the subject matter and supersedes all proposals or prior and contemporaneous agreements or understanding of the parties regarding such matter. The pre-printed terms and conditions contained in any Customer purchase order or other ordering document submitted with respect to support of the Software shall have no binding effect on Cardinal Peak and will not modify this Agreement in any way. This Agreement may not be assigned by Customer or otherwise transferred by operation of law without the prior written consent of Cardinal Peak, except that Customer may assign this Agreement to a business organization which acquires all or substantially all of Customer's assets, or into which Customer is merged provided that such assignee notifies Cardinal Peak in writing that it shall be bound by the terms and conditions of this Agreement. Modification of this Agreement shall not be valid unless in writing and signed by duly authorized representatives of both parties.

1. Other Technical Information on CaseCracker Onyx

More Information on the CaseCracker Onyx User Interface and Specific Components

Each interview room contains:

- Two high definition **IP Cameras**. These are COTS products and can be covert (typical) or overt. The CaseCracker Onyx system supports most ONVIF-compliant cameras, so it is likely we can meet any particular camera requirement law enforcement agencies might have in the future by selecting an appropriate COTS option. Initially, we are providing Axis P1264 cameras for covert use and Axis F1015 cameras for overt use.

The Axis P1264 camera is ideal for covert use, as it has a small lens element that can be separated from the camera's CPU by up to 8 meters of cable. These units offer excellent concealment options with high video quality. We embed one camera in a thermostat housing situated on the wall opposite the interview subject, near seated eye height. The second camera is embedded in a PIR housing located just below

ceiling level in an opposite corner of the interview room. The CPUs for both cameras are concealed above the ceiling of the interview room. The Axis P1264 offers up to 720p resolution and has a fixed lens.

The Axis F1015 is our recommendation for overt, but still discreet, use. This unit is similar to the P1264 but offers slightly better (and, alas, more visible) lenses. The Axis F1015 supports up to 1080p resolution and has a fixed-iris, varifocal lens.

Both cameras support h.264 encoding and are powered via power-over-Ethernet (IEEE 802.3af/802.3at). In our system this power can be supplied from the Room Controller, or optionally by a separate 12 VDC connection.

- **One digital Microphone.** The CaseCracker Onyx system supports a range of choices for flexibility in interview room design. Initially we are providing one Louroe Verifact A USB microphone and one Louroe Verifact D microphone, which are both excellent covert microphones that can be mounted on the ceiling (the Verifact A) or on a wall (Verifact D). The Verifact A unit is a half-space microphone that fully captures the voices of the people in the interview room, with a cylindrical housing 4" in diameter and 1.4" high. The unit has a frequency response from 20Hz - 5kHz (-6dB). The Verifact D housing is a simple 1-gang stainless steel face plate, 2.75" W × 4.5"H; it will perform similarly when placed on the wall (although with any wall-mounted unit, a loss of audio performance will result if the person speaking is facing away from the wall). Sampling for both mics is performed at 44.1 kHz, 16 bits per sample.
- **A Start/Stop Switch** combined with a discreet **Interior Recording Light**, mounted in a 1-gang electrical box inside or outside the interview room near the door. The switch can start or stop recording, and the light unobtrusively assures the interviewer that recording is in progress.
- **An Exterior Recording Light** is a bright LED mounted outside the interview room, with the words "In Use" to warn others that a recorded interview is in progress. Both exterior and interior lights are connected to a Room Controller and are turned on only if the RC is receiving positive confirmation of recording from the server.
- **A Wired Flag Switch** allows the interviewer to unobtrusively mark important parts of the interview. It is a small, wired, momentary contact switch that is mounted under a table near where the interviewer sits. Pressing it during the interview places an index point ("flag") in the video recording.
- **One Room Controller.** Each Room Controller (RC) is a metal enclosure measuring 10.4" × 7.3" × 2.0" with an off-white powder coat finish. It is plenum-rated and should be mounted above the ceiling tile, near the CPU units for the two cameras.

The RC performs the following functions: (a) It receives uncompressed audio from the microphones and formats that audio, still uncompressed, for streaming across the recording LAN; (b) it provides breakouts to the wall switch, the recording lights, and the flag switch; and (c) as an installation convenience, the RC contains a power-over-Ethernet switch, so that the IP cameras can be directly connected to the RC and thus only one Ethernet drop is required per room. For your proposal one RC is recommended and capable of connecting the entire interview room on its own. Two can be provided at an increased cost to create complete room recording redundancy. In the redundant configuration shown in Fig. 2, each microphone and each IP camera are wired to a different RC, with RC-1 also being wired to the recording lights, the start/stop switch, and the flag switch.

1. Recording LAN

Returning to Figure 1, the **Recording LAN** is a standard Gigabit Ethernet (GbE) network.

It is important that the Recording LAN be kept private to the CaseCracker Onyx system, for two reasons. Most importantly, in a network-based system such as CaseCracker Onyx, video is not recorded until it

reaches the server. Therefore, it is imperative that network traffic from other applications be segregated from the live video and audio being streamed from the interview room to the server, so that there is no opportunity for the other traffic to interrupt recording. As a second reason, COTS cameras typically do not encrypt video, and therefore the video and audio is streamed unencrypted to the CaseCracker Onyx Server; anyone with access to the Recording LAN would be able to view live video and audio while interviews are in session.

2. CaseCracker Onyx Server

During recording, the video and audio from the interview transits the Recording LAN to the **CaseCracker Onyx Server (CCOS)**. The server records the video and audio internally in redundant fashion: The evidentiary copy is written to a read-only file on one filesystem, and the working copy is written to a read-write file on a second filesystem. Both filesystems are encrypted and are protected with RAID-1 (mirrored redundancy), so in fact four copies of the interview end up on physical disks within the CCOS.

While recording, the CCOS computes a cryptographic SHA 3-256 fingerprint to ensure later evidence integrity, which is written into each stored file. The hash is computed on each video and audio stream, and the hash values are updated in the file approximately every two seconds¹.

When the recording is complete, the system automatically runs the verification process on the file to ensure it was written to disk correctly, and alerts if any errors are detected. Additionally, an authorized user can manually re-verify the file to ensure integrity at a later date.

In the CaseCracker Onyx system, all cameras and microphones in a room are tightly time-synchronized together. Network Time Protocol (NTP) is used throughout the system to keep all clocks tightly in sync. As shown in Fig. 1., the CCOS has two network interfaces. One connects to the Recording LAN and the other connects to the Office LAN. The CCOS provides only very limited and controlled routing between these two networks; in general, the Recording LAN is not reachable from the Office LAN. All network interfaces support both IPv4 and IPv6 addressing.

The Enterprise version of the Onyx system includes a 1 RU high-reliability server with redundant power supplies, fans and storage drives. The Onyx Lite system includes a compact server suitable for small remote deployments. The operating system for both configurations is CentOS Linux. The Enterprise system can be purchased in two sizes, medium and large. The Onyx Lite system supports up to 2 rooms with two cameras and two microphones per room.

The CaseCracker Onyx client is hosted on the Onyx server. Users access the client through a desktop shortcut on their PC.

3. CaseCracker Onyx Client

The **CaseCracker Onyx Client (CCOC)** is shown in the lower right of the system diagram. This software runs on government-furnished Windows desktops or laptops. The CCOC is the main interface into the system. It allows authorized users to view and flag live interviews; search and play back stored interviews; redact interviews; and export content. The CCOC is a traditional Windows application, not a

web client. Some screens are shown in the figures below.



Fig. 3: CaseCracker Onyx Client, Rooms View

The **Rooms View** is typically the first view shown upon logging into the system. This screen shows live, thumbnail views of the interview rooms, without audio. This view can be used on its own to provide security for investigators conducting interviews—for instance, a desk officer working late at night can provide oversight to multiple investigators who are conducting interviews. In addition, this view shows which rooms are currently actively recording (blue border and pulsing red recording icon, four are shown) and which rooms are available (white border, two shown). Clicking on an interview in progress allows an authorized user to observe the interview, with full ability to hear audio, view both cameras, and view, add, and edit per-session metadata and flags. Clicking on an unused room allows a user to immediately start recording.



Fig. 4: CaseCracker Onyx Client, Interview View

The **Interview View** is the primary way users interact with video and audio in the CaseCracker Onyx system. It has slight variations between live recording (shown) and stored playback. From here, users can view both camera views and hear the audio. (The two cameras can be swapped by clicking on the picture-in-picture.) The wall-clock time that a particular frame was recorded is displayed in the lower right, directly below the video (and above the "RECORDING" icon). A VU meter in the lower left provides visual feedback that audio is being recorded.

On the right of the screen, an authorized user can fill out the metadata for the session. The default fields are shown but all system metadata is configurable if additional fields are desired. CaseCracker pre-populates the following per-session metadata fields: room/location, start time, duration (populated after the interview completes), number of flags, and the user who initiated recording (who may be different from the interviewer). The other metadata fields can be edited by authorized users.

Case notes can be stored in two ways in the system. One, there is a per-session Notes field (by default; please note that all per-session metadata fields can be customized, so more fields could be added, or the defaults deleted). Two, case notes that are specific to points in the recording can be entered as flags, which allows quick access to the associated video. Both types of metadata entry are full-text searchable. By clicking on the Flags tab in the upper right of the Interview View, the user can view, add, edit, and delete flags. Flags are always tied to a specific instant in the interview, and they can be added from the CCOC with or without descriptive text. In addition to free-form text entry, the CCOC allows users to fill in flags with pre-defined text selected from an administrator-configured list, which could contain commonly-used tags such as "Miranda" or "Confession" (FBI configured, and available pre-set flags are currently "Miranda", "Confession", "Denial", and a generic Flag). Finally, a flag (without descriptive text) is also added to the interview when the interviewer presses the flag switch in the interview room during recording.

Case #	Detective	Interviewer	Subject	Room	Start Time	Duration	Creator	File#	Copy
741369	David Hunter	Tammy Jones	12 Hr test	Green Room	09/01/18 22:40:25 MDT	12:00:00	admin	0	Working
653217	n/a	Chuck Williams	Harry Fontana	Green Room	01/18/18 10:37:53 MDT	06:00:00	David Hunter	0	Working
546231	Bill Burton	David Hunter	Tom Highman	Green Room	04/27/18 14:24:18 MDT	06:00:00	David Hunter	0	Working
75621	n/a	Tom Black	Tim Howard	Soft Room	01/17/18 23:57:22 MDT	05:59:59	David Hunter	0	Working
35798	Sam Rolland	Tim Hilton	The Chair	Soft Room	02/07/18 08:25:57 MDT	04:36:11	admin	0	Working
15698	Karen Perkins	Tom Smith	The Chair	Soft Room	02/09/18 07:43:27 MDT	01:54:15	admin	1	Working
356428	Tom Schneider	David Hunter	Holly Mayfield	Soft Room	04/26/18 09:37:33 MDT	00:40:21	admin	0	Working
18679	David Hunter	Tom Smith	The Table	Soft Room	02/09/18 10:09:55 MDT	00:40:23	admin	2	Working
986523	Sam Walton	Tim Crowder	Jerry White	Soft Room	04/27/18 16:17:40 MDT	00:35:40	David Hunter	1	Working
Test 2	Carly	Carly	John Doe	Soft Room	05/01/18 13:36:28 MDT	00:20:23	admin	3	Working
156981	Carly Stoll	Courtney Bair	Mike Hammond	Soft Room	04/26/18 10:37:53 MDT	00:19:33	admin	0	Working
763849	n/a	Kathy Myers	Susan Carson	Soft Room	01/23/18 15:00:53 MDT	00:14:57	David Hunter	3	Working
456352	Bill Burton	David Hunter	Bad guy	Soft Room	03/06/18 11:26:20 MDT	00:11:37	admin	6	Working
Test	Carly	Sam Hunt	John Doe	Green Room	05/01/18 13:24:28 MDT	00:11:37	admin	3	Working
185978	Tom Schneider	Tammy Jones	Paul Longford	Soft Room	04/27/18 13:44:08 MDT	00:03:10	David Hunter	0	Working
986532	Bill Burton	David Hunter	Billy Smith	Soft Room	03/26/18 11:04:09 MDT	00:03:09	admin	1	Working
123987	Tom Schneider	Tara Hammond	Johnny Black	Soft Room	03/09/18 14:18:41 MDT	00:07:50	admin	2	Working

Fig. 5: CaseCracker Onyx Client, Archive View

The **Archive View** shows video stored on the system. Users can view Recently Recorded or Recently Viewed video, or they can search all stored video. Clicking on one of the sessions in the list view will bring up the Interview View for that recording.

Administration pages for all system functions (overall system configuration, policy definition, mapping of permissions to users and groups, etc.) are accessible to authorized users as well.

4. System Audit Log

The CCOS maintains a system audit log, which records all activity of all users for audit purposes. The system audit log writes to standard syslog and to a flat file. The retention window default is 180 days.

The following events are logged:

- User logs in, user logs out
- Begin or end recording (either client-initiated or wall-switch-initiated)
- Delete recording
- View video/audio
- Export video, audio, or other data from the system
- Add/edit/delete metadata or flags
- Numerous system administration functions

5. Data Export and Import

The CCOC supports exporting a number of different file formats:

- An **MP4 file** containing both video streams and both audio streams. The user can choose to include all streams, or select any subset of streams for inclusion, so it is possible for instance to

export an MP4 file containing just one video track and no audio. When present, video is encoded using h.264, and represents the exact encoded bits that were delivered from the IP camera(s) at the time of recording. When present, each track of audio will be included twice: Once using the Apple lossless ALAC codec, and again using the lossy AAC algorithm. In addition, the MP4 file contains secure hash information, so that it can later be validated, as well as the information needed to compute the wall-clock recording time of any point during the recording. At the user's option, it can either contain or not contain the per-session and flag-based metadata.

The MP4 file follows open standards and can be played in readily-available commercial players such as Windows Media Player, QuickTime, and VLC. Note, however, that these players generally only display one of the two video streams and one of the two audio streams, and they cannot display metadata or flags.

- A **WAV or AAC file** containing only the audio from the interview. In the case of WAV format this audio will be the exact PCM samples recorded during the interview (generated from the lossless audio track). In the case of AAC format this audio will be compressed.
- A **PDF file** containing the per-session metadata from the interview.

All files (audio+video, audio-only, video-only, metadata) are exported on the CCOC and can be stored to any file system supported by the underlying hardware, so removable media and enterprise-wide file servers are both supported assuming they are available to the investigator's desktops.

6. User Management and Authentication

The CaseCracker Onyx Server requires an authenticated user for all actions performed on the system, with the exception of pressing the start/stop button located outside an interview room. Each user must log in to the CaseCracker Onyx Client when it is started, unless single sign on (SSO) is configured, in which case the credentials that logged the user onto the Windows desktop will also be used to log him or her into the CCOC. Permissions may be individually set on a per-group or per-recording basis (as appropriate) for a large number of actions on the system.

CaseCracker Onyx supports having Microsoft Active Directory (AD) groups as the core of its permissions system (temporarily disabled by FBI request). Various privileges in CaseCracker can be mapped, using the CaseCracker Onyx admin interface, to different AD groups. We currently have a lightweight, stand-alone alternative for user and group privilege management for networks without Active Directory.

7. Hierarchical Storage; Synchronization to External Systems

In the future CaseCracker Onyx roadmap, individual Onyx servers can integrate in multiple ways with systems located elsewhere on the agency's network, as summarized below:

- First, in the future it will be possible to connect CaseCracker Onyx Servers together across a wide-area network. All searches are distributed amongst participating CCOS nodes using elastic search technology, so if all the CCOS units within an agency's network were so configured, a search performed on any server will result in searching the video across the entire enterprise. Once a user selects a particular interview, the corresponding video, audio, and metadata will be securely streamed to that user from the CCOS that hosted it, across the WAN if needed.
- Second, future CaseCracker Onyx Servers will support hierarchical storage, so it will be possible to configure recordings to be automatically transferred over the WAN to a master CaseCracker Onyx Server located at a central location. Only once the recording has been successfully transferred and

validated will the source content be deleted from the origin CCOS server. In this manner, a federal agency could arrange to store all countrywide interview video in a single location.

- The CCO files are entirely open standards based and entirely self-contained, so it is possible to immediately export these files into any enterprise-wide storage system. These internal files are based on the open MP4 format and they will play without modification using QuickTime, Windows Media Player, and VLC.

1 Section E. Miscellaneous Information on CaseCracker Onyx Resume

Douglas A. Schmidtknecht

98 Main Street • Stafford, VA 22554 • Phone: 540-287-7908 • E-Mail: dougs@cbeeyondata.com

Security Clearance: Active - Top Secret/SCI (Federal Bureau of Investigation)

Profile

Over 30 years of experience in the Federal Bureau of Investigations (FBI), with more than 20 years managing various personnel and programs in highly technical areas. Managed, planned and executed court authorized surreptitious entry operations in the continuing effort to defeat terrorism and espionage targets within the United States. Outstanding leader experienced in program and product development and personnel management. Personable, goal-oriented, with unique problem-solving skills prepared to handle difficult issues and challenges.

Experience

cBEYONData June 2018- Current

Program Manager and Contract Consultant.

- Manage and conduct the Installation of the Cardinal Peak CaseCracker Onyx system. This includes all aspects of the project, to include, install, setup, test, and training.
- Video Surveillance Law Enforcement Consultant.
- Digital Evidence Management Consultant.

American Systems Corporation June 2015- June 2018

Program Manager and Contract Consultant.

- Managed and conducted the Installation of the FBI's Interview Recording Management System. This included managing all aspects of the project, to include, install, setup, test, and training of the Cardinal Peak CaseCracker Onyx system.

Federal Bureau of Investigation June 1985- June 2015

Assistant Section Chief, Operational Technology Division (OTD), Tactical Operations Section (TOS).

- Manage six units, comprised of 125 employees with a Multi-Million Dollar annual budget. TOS conducts over 400 surreptitious operations annually and is responsible for

researching, designing and developing tools and techniques to circumvent physical, network and computer security systems.

Senior Technical Manager, supporting the OTD Assistant Director.

- Collateral Duty representing and directing OTD Research and Development efforts and joint projects with the FBI and "Five Eyes" Intelligence Agencies. In this capacity, I brief and recommend future collaboration initiatives and developments for FBI investment to OTD Executive Management.

Unit Chief, Reconnaissance and Operational Control Unit (ROCU) & Tactical Computer Access Unit (TCAU).

- Directing operations and developments in support of surreptitious entry operations. I was selected to reinvent ROCU and to create TCAU as a new unit in TOS.

Acting Assistant Section Chief, Digital Evidence Section (DES).

- Managed six units, comprised of 125 employees with a Multi-Million Dollar annual budget. DES includes the Computer Analysis Response Team, Regional Computer Forensic Laboratory (RCFL) National Program Office (NPO), Cryptographic and Electronic Analysis Unit, Forensic Audio Video Image Analysis Unit, and the Forensic Support Unit.

Unit Chief, FBI Weapons of Mass Destruction Directorate, National Program Unit.

- Worked in the development and execution of various training initiatives for the Directorate.

Student, USMC Command and Staff College (CSC)

- I was one of two FBI SSAs selected to represent and attend the USMC CSC.

Unit Chief & Director, Regional Computer Forensic Laboratory (RCFL) National Program Office.

- Directing, developing and building the RCFL program from three to thirteen RCFLs. Managed a \$15 Million budget to support and train all Federal, State and Local law enforcement officers assigned to various RCFLs.
- Chaired the RCFL National Steering Committee (NSC). The NSC was comprised of representatives from the U.S. Attorney's office, the National Association of Attorneys General, the American Society of Crime Laboratory Directors, the DOJ Computer Crime and Intellectual Property Section, the National District Attorneys Association, the International Association of Chiefs of Police and the National Sheriffs Association.
- Under my direction, the RCFL program was recognized as one of the "Top 50 Government Programs" in 2005 by the Ash Institute for Democratic Governance and Innovation, Kennedy School of Government at Harvard University. This was only the second time in history an FBI program had been recognized to this level.

Supervisory Special Agent, Computer Analysis Response Team (CART) Program Manager.

- Built the CART program from 50 Examiners to over 300 during my tenure. I was in charge of selecting training and certifying the examiners during my tenure. In addition, I lead the FBIHQ team of examiners to ensure all FBI Searches were properly staffed and supported.

Special Agent, CART Forensic Examiner, Chicago Field Office.

-
- CART Regional Coordinator, certified in Windows, Macintosh and Linux Operating Systems.

Education

Marine Corps University

July 2006 – July 2007

Master of Military Studies

Strayer University

-May 1993

Bachelor of Science Degree - Computer Information Systems

Skills and Certifications

FBI – Contracting Officers Technical Representative

CompTIA A+, Network+, Security+

FBI - Computer Analysis Response Team Certification

IPVM – Digital Camera Certification



JEFFERSON COUNTY
DEPARTMENT OF ADMINISTRATIVE SERVICES
 729 MAPLE ST / PO BOX 100
 HILLSBORO MO 63050
WWW.JEFFCOMO.ORG

BID #: 18-0055

**Request for Proposal: SHERIFF'S OFFICE INTERVIEW ROOM
CAMERA AND RECORDING SYSTEM 2018**

Date Issued: 7-18-2018

PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 14, 2018, AT 2:00 P.M. LOCAL TIME.

**Specification
Contact:**

LT. WILLIAM DUNN
 Department of the Jefferson County Sheriff
 636-797-5526
 wdunn@jeffcomo.org

**Contract
Contact:**

VICKIE PRATT
 Department of Administrative Services
 636-797-5380

**Mail (3) Three
Complete Copies
With Vendor And
Proposal
Information As
Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME
VENDOR ADDRESS
CONTACT NUMBER **DEPARTMENT OF THE COUNTY CLERK**
 JEFFERSON COUNTY MISSOURI
 729 MAPLE ST / PO BOX 100
 HILLSBORO MO 63050-0100
 SEALED PROPOSAL: (PROPOSAL NAME)

**Contract Term:
upon approval by
the County Council
and County
Executive**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor
Information:**

TECH ELECTRONICS, INC. **STEPHANIE VALLEROY**
 Company Name Authorized Agent (Print)
6437 MANCHESTER AVE. *[Signature]*
 Address Signature
ST. LOUIS, MO 63139 **ACCOUNT MANAGER**
 City/State/Zip Code Title
314.951.7746 **8.13.18** **43-0790955**
 Telephone # Date Tax ID #
Stephanie.valleroy@techelectronics.com
 E-mail Fax #

2. Operational Requirements

All proposals must include a sample of operational skills and job descriptions for installation workers in the facility.

3. Proposed installation plan

To include any changes to electrical system and IT accessibility.

Total Proposed cost of interview room camera and recording system: \$11,850.00

* See attached Proposal Package



PROPOSAL PACKAGE

A. REFERENCES

1. St. Louis County Police – Criminal Investigations (Tech Electronics' Customer, also uses Intelligent Video Solutions)

Contact: Captain James Mundel

Phone: 314-615-5390

Email: jmundel@stlouisco.com

2. St. Louis Metropolitan Police Department (Tech Electronics' Customer)

Contact: Cliff Harper

Phone: 314-444-5978

Email: cgharper@slmpd.org

3. Beacon – NASV (uses Intelligent Video Solutions)

Contact: Kendra EAds

Phone: 573-332-1900

Email: keads@semonasv.org

4. City of St. Peters, MO (uses Intelligent Video Solutions)

Contact: David Baker

Phone: 314-680-7833

Email: dbaker@stpetersmo.net

5. Drug Enforcement Administration – St. Louis Field Office

Contact: Amber Barlow

Phone: 314-538-4838

Email: amber.b.barlow@usdoj.gov



B. TECHNICAL PROPOSAL

1. Introduction

With over 54 years of experience as a managed systems solutions partner, Tech Electronics offers a full range of systems and services that help our customers work smarter, feel safer, and collaborate more effectively. Tech Electronics specializes in technology solutions designed to best fit each site's unique layout and priorities. Our tailor-made systems deliver connection and protection, ensuring that our customers are at their technological best as they work to advance their own meaningful missions. From fire, security, telephone, IT services, professional sound, intercom, and audio/visual systems to monitoring and service support, Tech Electronics is a significant and unparalleled partner to the education, healthcare, construction, government, commercial-industrial, SMB, and worship industries.

Tech Electronics has an extensive roster of law enforcement, local, state and federal customers; St. Louis County Police and St. Louis Metropolitan Police Department being the two largest customers. St. Louis County Police Criminal Investigations Unit uses the solution proposed to Jefferson County Sheriff's Department, Intelligent Video Solutions (IVS). St. Louis County Police brought the solution to Tech Electronics to install; now IVS is the 'go to' for interview room software solutions offered by Tech Electronics.

Service is unmatched by any competitor in the industry. Tech Electronics has over 100 service vehicles on the road each and every day in the St. Louis Metropolitan area. The Service Department offers remote/help desk and onsite technical support 24 hours a day, 7 days a week. All solutions proposed by Tech Electronics include a 1-year all parts and labor warranty as well as options for ongoing support with a maintenance agreement.

2. Operational Requirements

All projects performed by Tech Electronics include the following key staff:

Project Manager – responsible for purchase, receipt and delivery of all equipment, coordination and performance of the work, attend all meetings related to the installation of the system, management of field technicians, setting project timeline and managing customer expectations.



Installation Technician(s) – responsible for installation of the system, testing for proper operation and training the customer on the use of the system.

Account Manager – responsible for managing the relationship between the customer and Tech Electronics, main point of contact, escalation point.

Service Department – responsible for warranty service after the sale.

3. Proposed Installation Plan

Tech Electronics will provide and install in the customer provided rack an Intelligent Video Solutions (IVS) R1X2S video appliance/server with 2TB of storage. This server/appliance will use 1U of rack space. Tech Electronics will connect the IVS to the customer network with the assistance of their IT staff. The IVS video appliance comes with base license and standard camera license.

Tech Electronics will provide and install a button with LED indicator to start/stop recording. This button will be terminated to the IP camera.

Tech Electronics will provide and install an Axis F41 camera appliance and Axis F1025 covert camera head with pinhole lens with 92 degree viewing angle and a Louroe special application microphone. The camera lens will be installed in a motion detector housing specifically designed for the 1025 cover camera head. The camera housing is designed to be corner mounted near the ceiling for top down view of the interview room.

Provided in this proposed installation plan is a certified IVS engineer to assist remotely with the head end configuration and online training sessions. Also included from IVS is an annual software support agreement which includes access to VALT updates and major feature upgrades released at minimum bi-annually.

Additionally, Tech Electronics will provide and install all cabling necessary from the interview room to the server room and make all terminations. Tech Electronics will work with Jefferson County Sheriff's Department IT staff to assist with configuration of the network for viewing and use of the software on customer provided network PC's.



All installations include a 1-year parts and labor warranty and access to Tech Electronics' 24/7 Service Department.

C. TOTAL PROPOSED COST OF INTERVIEW ROOM CAMERA AND RECORDING SYSTEM: \$11,850.00

Jefferson County Sheriff's Department requested a price for an annual Renewable Service Agreement.

***The price for the first year (date of first beneficial use for a period of 1 year) is included as the system warranty at no charge in the Total Proposed Cost above.

Year 2-3 Annual Renewable Service Agreement: \$1,445.00

Includes the following:

- No charge repair labor M-F, 8:00 – 5:00 pm (differential for overtime and double time)
- 20% discount off TE list for repair parts
- Priority scheduling
- Remote Help Desk and/or Onsite Support
- Annual support renewal with IVS

24-hour contact for Service/Support: 314-645-6200

Account Manager:

Stephanie Valleroy

Phone: 314-951-7746

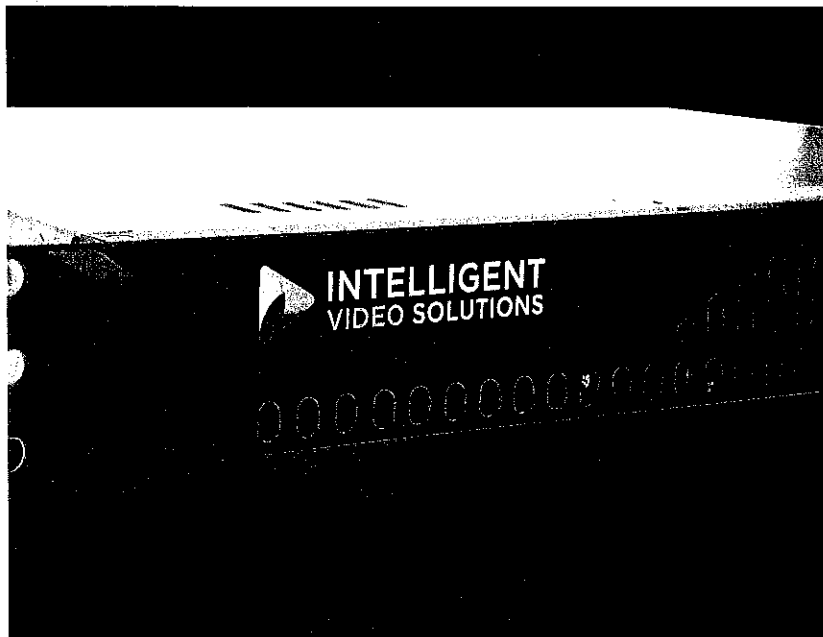
Email: stephanie.valleroy@techelectronics.com



VALT SERVER



INTELLIGENT
VIDEO SOLUTIONS

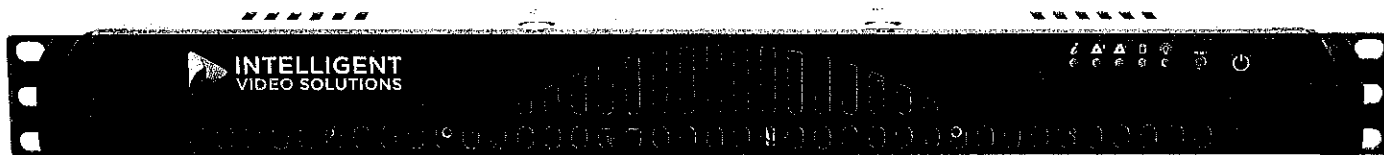


“INTELLIGENT VIDEO SOLUTIONS OFFERS A DISCIPLINED, ENTERPRISE CLASS TOOL. VALT FITS, WORKS AND IS SECURE.”

Michael Barr, CIO
Mt. Royal University

VALT servers are Tier One platforms featuring the industry's most trusted suppliers hand selected for video optimization and maximum uptime. Prior to leaving the manufacturing environment every component is tested, validated and burned in ensuring your VALT system is ready to perform out of the box.

Each server is meticulously prepared in our configuration center with VALT licensing and software to create a custom-built appliance for any size video observation and recording project.





VALT SERVER

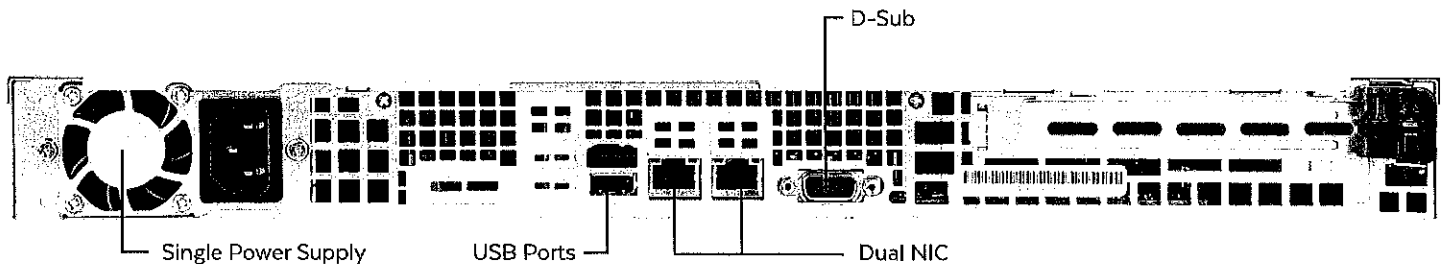


INTELLIGENT
VIDEO SOLUTIONS

The R1X2S is 1U short-depth chassis featuring a single Core i5-6600 CPU, 8GB RAM and 2TB RAID1 using Seagate video optimized drives. This appliance is benchmarked to manage up to five 1080p cameras offering 1,000 hours* of video archive.

TECHNICAL SPECIFICATIONS

MODEL NAME	R1X2S
FORM FACTOR	1U
CAMERAS	5
OS	UBUNTU SERVER
STORAGE	2TB SEAGATE 6GBPS SATA3 5900RPM 64MB 3.5IN
RAID OS	RAID 1
RAID DATA	RAID 1
# CPUS	1
CPU	I5-6600
CACHE	6 MB
CORES	4
THREADS	4
SPEED	3.9 GHZ
FAN (HEATSINK)	SUPERMICRO 1U PASSIVE HEATSINK
MEMORY	8 GB KINGSTON DDR4 2400MHZ
CASE	SUPERMICRO 512L-260B BLACK ATX 1U
HEIGHT X WIDTH X DEPTH	1.7" X 16.8" X 25.5"
MOUNTING RAILS	NO
MOUNTING	2 POST, ROUND HOLE W/REMOVABLE EARS
APPLIANCE WEIGHT	16LBS
SHIPPING WEIGHT	19LBS
MOTHERBOARD	SUPERMICRO XT1SSL-F BULK C232 LGAT151 MATX
POWER SUPPLY	260W WITH INPUT 100-240VAC
HOURS	1,000*



All VALT Servers are backed by a 3 year depot repair** or component replacement warranty. To request warranty services please contact Intelligent Video Solutions by phone: 262-746-9290 or email: support@ipivs.com.

* Estimated retention hours for use with 1080P cameras for 720P cameras multiply by 2

** Onsite repair labor warranty may be added to any server on an annual basis, contact sales@ipivs.com for estimates. Additional information available at ipivs.com/products/#servers



VALT SOFTWARE *for Law Enforcement*

INTELLIGENT
VIDEO SOLUTIONS



"THE VALT SYSTEM
FROM IVS IS JUST
REALLY EASY TO USE.
IT'S TIMELY. IT'S FAST.
IT'S EFFECTIVE AND
CLEAR."

*Detective Joe Pacheco
Bend, OR Police Department*

Recent VALT Installations:

BEND POLICE DEPARTMENT
Bend, OR

**CHANDLER POLICE
DEPARTMENT**
Chandler, AZ

**CINCINNATI POLICE
DEPARTMENT**
Cincinnati, OH

CITY OF ST. PETERS
St. Peters, MO

**PALM SPRINGS POLICE
DEPARTMENT**
Palm Springs, CA

**OZAUKEE COUNTY HUMAN
RESOURCES**
Ozaukee, WI

CITY OF ABILENE CAC
Abilene, TX

**LUDINGTON POLICE
DEPARTMENT**
Ludington, MI

VALT is a complete hardware and software solution developed specifically to record video events using standard IP camera technology. Law enforcement institutions nationwide are deploying this solution to replace antiquated and labor intensive VHS, DVD or adapted NVR technology. This easy-to-use software allows law enforcement professionals to quickly launch recording sessions, catalog them with data, search and retrieve recordings from any desktop PC with secure credentials.

KEY FEATURES



- View live video & audio from any authorized PC
- Tag recordings with important data such as
 - Case Number
 - Badge Number
 - Report Number
- Mark topics for quick playback of important events
- Works with the newest HD IP cameras
- Cross platform compatibility (PC, Mac, Tablet)

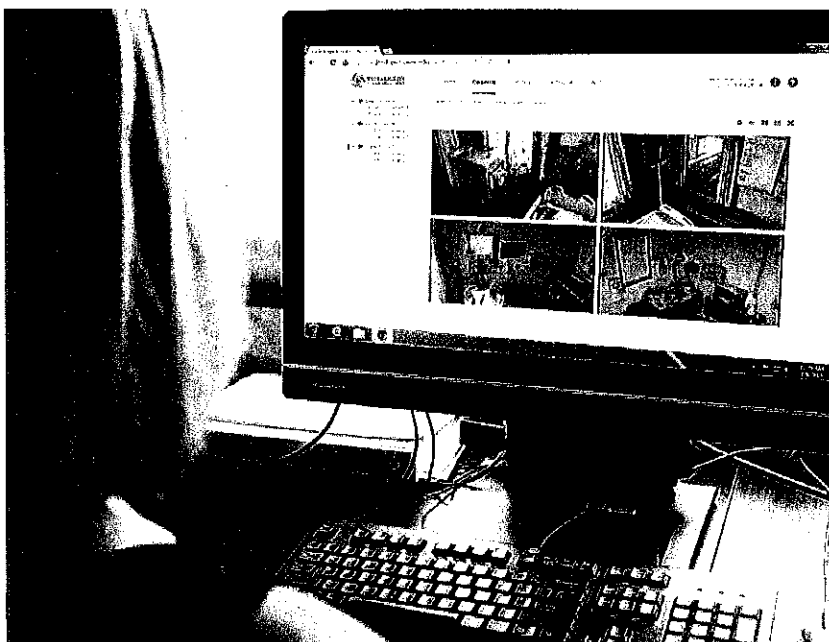
LEARN MORE

1625 E. Wisconsin Ave Suite A Pewaukee, WI 53072 tel. 262.746.9290
email sales@ipivs.com ipivs.com



VALT SOFTWARE

**INTELLIGENT
VIDEO SOLUTIONS**



**POWERFUL SOFTWARE
TO CAPTURE, ARCHIVE,
SEARCH AND STREAM
VIDEO CONTENT**

Recent VALT Installations:

**UNIVERSITY OF SOUTHERN
CALIFORNIA**

Psychology Services Center/
Therapy Recording and
Observation

DIGNITY HEALTH

French Hospital Medical Center/
Medical Simulation Recording

BRIGHAM YOUNG UNIVERSITY

Schools of: Child Education/
Law/Speech Pathology/
Management

TEXAS WOMEN'S UNIVERSITY

Stroke Clinic/Counseling
Department/SLP Clinic

**UNIVERSITY OF WISCONSIN -
EAU CLAIRE**

Center for Communication
Disorders/Autism Clinic/Social
Work/Nursing Simulation

CITY OF ST. PETERS

Police Department/Interview
Room Recording
Therapy Session Recording

**Video is a proven tool to better educate, train,
connect and protect organizations everywhere.**

Valt is an innovative software solution that empowers users to create and manage their own video database. This powerful tool helps organizations increase the use of video to improve the effectiveness of wide variety of programs. Valt can scale to support any number of cameras, users and departments, while the intuitive browser based interface provides each user with a unique and secure experience.

SOLUTIONS



CLINICAL SKILLS

SLP/Audiology, Counseling, Psychology

SIMULATION

Nursing, Pharmacy, Skills Labs

EDUCATION AND TRAINING

Classrooms, Meeting Rooms, Role Play

INTERVIEWS

Law Enforcement, Human Resources, Legal



ipivs.com



VALT SOFTWARE

INTELLIGENT
VIDEO SOLUTIONS



Initiate recordings on demand or schedule them in advance.

"ANYONE WHO NEEDS
TO CAPTURE VIDEOS,
RECORD THEM OR DO LIVE
SUPERVISION WILL FIND
VALT VERY EASY. THEY
LOGIN, THEY PRESS PLAY,
THAT'S IT"

SPECIFICATIONS

SUPPORTED IP CAMERAS

- All Axis P and Q Series Cameras
- Panasonic iPro Cameras

SUPPORTED IP ENCODERS

- Axis Q7401 Encoder
- VS-102-HDI HDMI Encoder

HARDWARE REQUIREMENTS

- Max 25 Cameras on Single Processor Xeon
- Max 50 Cameras on Dual Processor Xeon
- Runs on Ubuntu Server 14.04 TLS

SUPPORTED BROWSERS

- Chrome
- Firefox
- Internet Explorer
- Safari
- Puffin (Mobile)
- Dolphin (Mobile)

FEATURES



OBSERVE

- HD Camera Support - Up to 50 IP Cameras per Server
- Multi-View - Quickly change from a single view to 2x2 or 3x3
- PTZ Control - Move PTZ cameras or digitally zoom from software



CAPTURE

- Cross Browser Compatible - Initiate and tag recordings from any browser
- Scheduler - Program one time or reoccurring recording schedules per room
- Push Button + LED - Start/Stop with a push button



REVIEW

- Intelligent Search - Quickly find and stream relevant files via search engine
- Annotations - Mark points of interest with relevant data or feedback
- Playback Tools - Jump to any timestamp, zoom in or create a clip



MANAGE

- Video Retention - Automated data management per user group
- Secure Download - High quality .mp4 file available to authorized users
- Sharing Tools - Default and on-demand sharing rights per user



SECURITY

- Data Encryption - All data SSL encrypted in transit
- User Permissions - Robust user permission for every feature and video content/stream
- Audit Trails - Every user action logged and timestamped for search or export

LEARN MORE

1625 E. Wisconsin Ave Suite A Pewaukee, WI 53072 tel. 262.746.9290
email sales@ipivs.com ipivs.com

AXIS F41 Main Unit

Rugged design with WDR and HDTV 1080p

The rugged AXIS F41 Main Unit connects to one AXIS F Sensor Unit and is ideal for use in highly discreet surveillance applications, such as in stores, ATMs, banks, emergency vehicles and buses. AXIS F41 supports HDTV 1080p at 50/60 frames per second. It provides Wide Dynamic Range (WDR) – Forensic Capture, which enables a high level of detail to be visible in very bright and dark areas of a scene. Support for Axis Zipstream video compression technology lowers bandwidth and storage use. AXIS F41 supports two-way audio, input/output ports, Power over Ethernet, 8–28 V DC and one SD card slot.

- > **HDTV 1080p at 50/60 frames per second**
- > **WDR – Forensic Capture (with a sensor unit that supports this feature)**
- > **Rugged, easy-to-install design**
- > **Axis Zipstream**



AXIS F41 Main Unit

Video		Built-in installation aids	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Pixel counter	
Resolution	1920x1200/1080 (WUXGA/1080p) ^a to 480x270 1280x720 to 480x270	Data streaming	Event data
Wide dynamic range	Forensic WDR	General	
Frame rate	In 1080p with no WDR: 50/60 fps (50/60 Hz) In WUXGA with no WDR, and in 1080p with WDR: 25/30 fps (50/60 Hz)	Casing	Aluminum
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264	Sustainability	PVC free
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images Wide Dynamic Range – Forensic Capture ^a : Up to 120 dB depending on scene	Memory	512 MB RAM, 256 MB Flash
Audio		Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 max 7.7 W 8–28 V DC, max 7.8 W
Audio streaming	Two-way	Connectors	RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor units 6-pin terminal block for four configurable inputs/outputs (12 V DC output, max load 50 mA) 3.5 mm mic/line in, 3.5 mm line out 5-pin terminal block RS232 2-pin terminal block for 8–28 V DC input
Audio compression	AAC-LC 8/16/32 kHz, 8–128 kbit/s G.711 PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s Configurable bit rate	Storage	One SD/SDHC/SDXC slot supporting memory card (card not included) Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations, see www.axis.com
Audio input/output	External microphone input or line input, line output	Operating conditions	–30 °C to 60 °C (–22 °F to 140 °F) Humidity 10–85% RH (non-condensing)
Network		Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized Certificate Management	Approvals	ECE R10 rev.04, EN 50121-4, EN 50581, IEC/EN/UL 60950-1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-60, IEC 60068-2-78, IEC 60529 IP4X, IEC 60721-3-5 SM3 (vibration, shock), IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3 EN 55022 Class B, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24
Supported protocols	IPv4/v6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	Dimensions	51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in)
System Integration		Weight	532 g (1.17 lb)
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile S and ONVIF [®] Profile G, specification at www.onvif.org	Included accessories	Installation Guide, Windows decoder 1-user license, AVHS Authentication key
Analytics	Included AXIS Video Motion Detection Active tampering alarm, audio detection Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, www.axis.com/acap	Optional accessories	AXIS F8001 Surface Mount with Strain Relief AXIS F8002 DIN Rail Clip AXIS T8120 15 W Midspan 1-port AXIS T83 Microphones For more accessories, see www.axis.com
Event triggers	Analytics, external inputs Edge storage events	Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms
Event actions	File upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Video and audio recording to edge storage, play audio clip, external output activation WDR mode	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. Valid for sensor units that support it

b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Environmental responsibility:

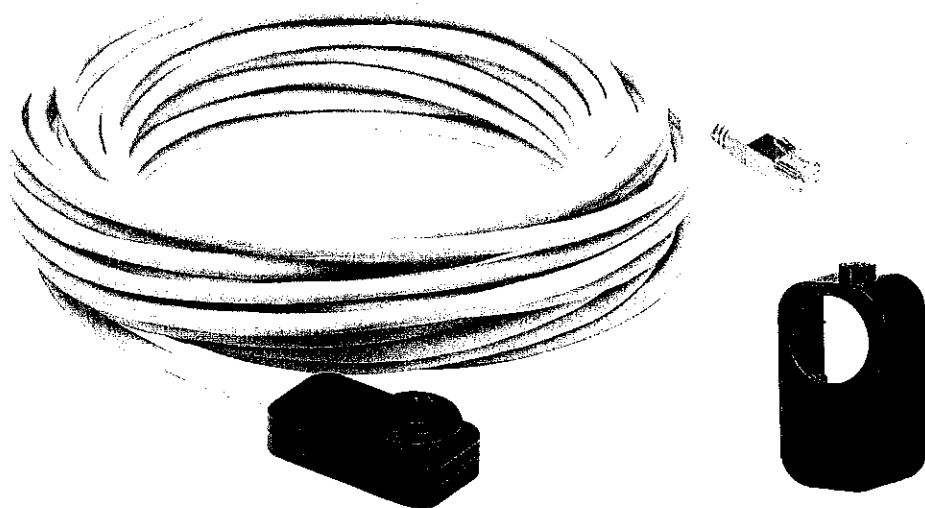
www.axis.com/environmental-responsibility

AXIS F1025 Sensor Unit

Pinhole lens for extremely discreet surveillance

AXIS F1025 is ideal for extremely discreet indoor surveillance applications, such as in ATMs, stores and elevators. It can be installed in tight places and flush-mounted in a wall, ceiling or metal panel with only a pinhole visible for the lens. For use with an AXIS F Main Unit, AXIS F1025 provides a 1080p resolution and a wide 92° horizontal field of view. AXIS F1025 also supports Wide Dynamic Range (WDR) – Forensic Capture, ideal for scenes with very bright and dark areas. The unit comes with a 3- or 12-m (10/39 ft.) pre-mounted cable for connection to a main unit. A straight mounting bracket is included.

- > **Flexible, extremely discreet design for indoor use**
- > **Pinhole lens with 1080p resolution**
- > **Wide 92° horizontal field of view**
- > **WDR – Forensic Capture (with AXIS F41/F44 Main Unit)**



AXIS F1025 Sensor Unit

Models	AXIS F1025 3 m / 10 ft. cable: Pinhole AXIS F1025 12 m / 39 ft. cable: Pinhole
Camera	
Image sensor	1/2.8" (effective) progressive scan RGB CMOS
Lens	Fixed iris 3.7 mm, F2.5 With AXIS F34/F41/F44 in 1080p: Horizontal angle of view: 92° Vertical angle of view: 45° With AXIS F34/F44 in 720p: Horizontal angle of view: 56° Vertical angle of view: 29°
Resolutions	Max. 1920x1200/1080
Wide dynamic range	WDR – Forensic Capture With AXIS F41: 1080p, 25/30 fps (50/60 Hz) With AXIS F44: 720p, 12.5/15 fps (50/60 Hz)
Minimum illumination	Color: 0.3 lux
Shutter time	With AXIS F34/F44: HDTV 720p 25/30 fps: 1/28000 s to 2 s 1080p 12.5/15 fps: 1/22500 s to 2 s With AXIS F41: HDTV 1080p 25/30/50/60 fps: 1/143000 s to 2 s WUXGA (1920x1200) 25/30 fps: 1/143000 s to 2 s
Frame rate	Max. 50/60 fps (50/60 Hz)

General	
Casing	Aluminum
Operating conditions	-30 °C to 55 °C (-22 °F to 131 °F) Humidity 10-85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	ECE R10 rev.04, EN 50121-4, IEC/EN/UL 60950-1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-78, IEC 60529 IP4X, IEC 62236-4, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, EN 50581 IEC 60068-2-6, IEC 60068-2-27
Dimensions	45 mm (1 3/4 in) ø 20 mm (13/16 in)
Weight	3 m / 1 ft. cable: 78 g (0.17 lb) 12 m / 39 ft. cable: 328 g (0.72 lb)
Required hardware	AXIS F34/F41/F44 Main Unit
Included accessories	Installation Guide AXIS F8202 Straight Mounting Bracket
Optional accessories	AXIS F8204 Mounting Band AXIS F8212 Trim Ring AXIS F8225 Pinhole Accessory AXIS F9201 Black/Silver Height Strip Housing
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

Environmental responsibility:

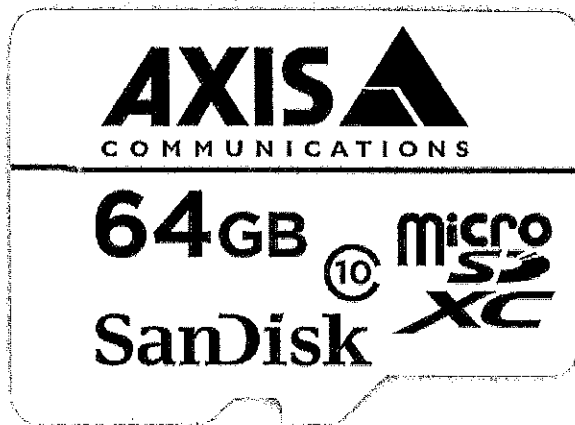
www.axis.com/environmental-responsibility

AXIS Surveillance Card 64 GB

High endurance microSDXC™ card

AXIS Surveillance Card 64 GB is a high performing edge storage solution optimized for video surveillance. Edge storage enables flexible storage solutions such as de-centralized video recording and may eliminate the need of an onsite server, DVR or NVR. In applications with bandwidth limitations, live video can be viewed in low resolution, while high resolution video is recorded locally on AXIS Surveillance Card 64 GB. Combined with Axis Zipstream technology, even high resolution video can be recorded effectively local on AXIS Surveillance Card 64 GB, both for primary storage or as redundancy for failover recording in case of lost connections.

- > **Optimized for surveillance cameras**
- > **Health monitoring ready**
- > **SD card adapter included**
- > **Axis 3-year warranty**



AXIS Surveillance Card 64 GB

SD card	
Form factor	microSDXC™ with SD™ card adapter ^a
Casing	The microSDXC™ card and SD™ card adapter are delivered in a jewel case
Color	White
Capacity	64 GB ^b
Class	Class 10
Transfer speed read/write	20 MB/s read/write
Card dimensions	microSDXC™ card: 15 mm x 11 mm x 1.0 mm (0.59 in x 0.43 in x 0.04 in) SD™ adapter: 24 mm x 32 mm x 2.1 mm (0.94 in x 1.26 in x 0.08 in)
Operating conditions	-25 °C to 85 °C (-13 °F to 185 °F)

Storage conditions -40 °C to 85 °C (-40 °F to 185 °F)

Sustainability PVC free

Approvals EN 55022 Class B, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, RCM AS/NZS CISPR 22 Class B, VCCI Class B

Compatibility Compatible with all Axis products

Warranty Axis 3-year warranty, see www.axis.com/warranty

a. *SanDisk is a trademark of SanDisk Corporation, registered in the United States and other countries. microSDXC and SD marks and logos are trademarks of SD-3C, LLC.*
b. *1GB=1,000,000,000 bytes. Actual user storage less.*

Environmental responsibility:

www.axis.com/environmental-responsibility

C-ML

MICROPHONES

TECHNICAL DATA SHEET

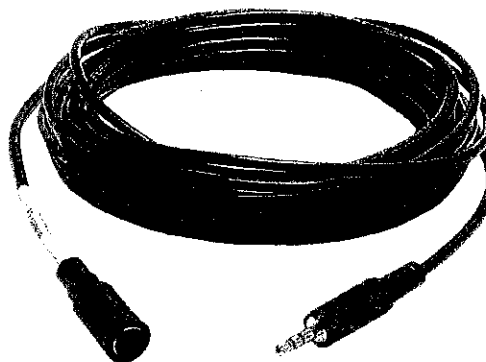
DESCRIPTION

The Model C-ML is an omni-directional, low impedance, electret condenser microphone with mic level audio. It is housed in a high impact ABS tube designed for mounting in special or customized housing. Normal pick-up pattern is approximately 15' from the microphone location, all directions, or within 30' diameter circle. The unit comes with 20' pre-made cable with a stereo plug on one end that can be plug directly to the Audio Input of an IP camera.

APPLICATION

The Model C-ML Microphones can be used in situations such as:

Convenience Stores	Sleep Disorder Centers
Fast Food Restaurants	Therapy Labs
Booking Rooms	Cashier Booths
Interrogation Rooms	Gas Stations
Day Care Centers	Anywhere CCTV
	Cameras Are Installed



FEATURES

- Easy connect to IP camera
- Sturdy ABS housing
- Microphone can pick up normal sounds 15' away
- Custom applications
- May be located up to 20' from IP Camera or pre-amp.
- Extended Microphone for high ceiling application

SPECIFICATIONS

Sensitivity	-45 dB/pa
Frequency response	50 Hz to 8 kHz
Output Impedance	1kΩ
Current drain	0.8mA
Supply voltage	1.8Vdc to 4.5Vdc
Microphone housing	High impact ABS
Dimensions	0.455" dia
Weight	4.5 oz
Shipping Weight	1 lb

IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:
 Federal Regulations, US Code, Title 18,
 Crime and Criminal Procedure, Sec 2510.

