

**RESOLUTION NO. 22-209**

**A RESOLUTION OF THE CITY OF PANAMA CITY BEACH, FLORIDA, APPROVING AN AGREEMENT WITH MOUNTAINTOP ENTERPRISE, LLC, FOR THE PURCHASE OF A POLICE INTERVIEW RECORDING AND MANAGEMENT SYSTEM IN THE AMOUNT OF \$44,450; AND AUTHORIZING A BUDGET AMENDMENT TO REFLECT THE RECEIPT AND EXPENDITURE OF FUNDS FOR THIS PURCHASE.**

**BE IT RESOLVED** that:

1. The appropriate officers of the City are authorized to execute and deliver on behalf of the City that certain Agreement between the City and Mountaintop Enterprise, LLC for a Police Interview Recording and Management System, in the amount of Forty-Four Thousand, Four Hundred Fifty Dollars (\$44,450), on substantially the terms and conditions of the quote **attached** as Exhibit A and presented to the Council today.
2. The following budget amendment #47 is adopted for the City of Panama City Beach, Florida, for the fiscal year beginning October 1, 2021 and ending September 30, 2022, as shown in and in accordance with the **attached** Exhibit B, to reflect the receipt and expenditure of additional funds for this purchase.

**THIS RESOLUTION** shall be effective immediately upon passage.

**PASSED** in regular session this 25<sup>th</sup> day of August, 2022.

**CITY OF PANAMA CITY BEACH**

By: \_\_\_\_\_

  
Mark Sheldon, Mayor

**ATTEST:**

  
\_\_\_\_\_  
Lynne Fasone, City Clerk



## CITY OF PANAMA CITY BEACH

17007 Panama City Beach Parkway, Panama City Beach, FL 32413  
PCB22-69 ITB Interview Recording and Management System

7/27/2022  
11:00 AM

	CONTRACTOR/VENDOR	DATE BID RECEIVED	TIME BID RECEIVED	BID FORM	BIDDERS QUALIFICATION FORM - References/Experience/Shop Drawings	DRUG-FREE WORKPLACE	PUBLIC ENTRY CRIMES STATEMENT	E-VERIFY	CONFLICT OF INTEREST	NON-COLLUSION AFFIDAVIT	BID PRICE	RESPONSIVE BID THE MINIMUM REQUIREMENTS WERE PROVIDED	Notes
1	Mountaintop Enterprise LLC	07/27/22	9:45AM	X		X	X	X	X	X	\$ 44,450.00	YES	
2	ProLogic ITS, LLC	07/27/22	7:22AM	X	X	X	X	X	X	X	\$ 31,431.33	NO	
3	Precise Digital	07/18/22	12:56PM	X	X	X	X	X	X	X	\$ 21,234.14	NO	No USB logo or addendum page
4	Motorola Solutions	7/27/2022	9:47AM	X	X	X	X	X	X	X	\$ 31,655.53	NO	
5													
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## **AGREEMENT**

**THIS INTERVIEW RECORDING AND MANAGEMENT SYSTEM AGREEMENT** is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, by and between the **CITY OF PANAMA CITY BEACH, FLORIDA**, a municipal corporation (City) and

\_\_\_\_\_ (Contractor).

### **PREMISES**

#### **1. SCOPE OF SERVICES**

Contractor will furnish and install an interview recording and management system (IRMS) for the City of Panama City Beach Police Department as detailed in the bid # **PCB22-69 ITB INTERVIEW RECORDING AND MANAGEMENT SYSTEM**.

If the Contractor believes that any particular work/service is not within the scope of work/service of the contract, is a material change, or will otherwise require more compensation to the Contractor, the Contractor must immediately notify the City's Representative in writing of this belief. If the City's Representative believes that the particular work/service is within the scope of the contract as written, the Contractor will be ordered to and shall continue with the work/service as changed and at the cost stated for the work/service within the scope. The Contractor must assert its right to an adjustment under this clause within thirty (30) days from the date of receipt of this agreement.

#### **2. PAYMENT**

The Contractor will invoice for payment to the City when the City takes possession after satisfactory inspection of the IRMS. The invoice(s) shall be delivered to accounts payable at City Hall, 17007 Panama City Beach Parkway, Panama City Beach, Florida 32413 no later than three days after the closure date of each calendar month.

#### **3. TERM**

Unless terminated sooner pursuant to the provision of the Termination clauses and subject to the availability of funds appropriated for this purpose, this Agreement shall take effect on the executed date of award through time of delivery, satisfactory inspection and acceptance of the interview recording and management system (IRMS).

#### **4. INSURANCE**

Bidder shall at its expense maintain in force during the Term the insurance on policies and insurers acceptable to the City as required by the City's Insurance Requirements attached hereto as Exhibit "A."

Within thirty days of the date of the Award, and thereafter upon the written request of the City, Bidder shall furnish to the City such certificates of coverage and certified copies of policies pursuant to the City's Insurance Requirements. In order to satisfy this provision, the documentation required by this part must be sent to the following address: Attn: Lori Philput, Risk Manager, 17007 Panama City Beach Parkway, Panama City Beach, FL 32413.

#### **5. INDEMNIFICATION:**

Regardless of the coverage provided by any insurance, the successful Bidder shall indemnify, save harmless and defend the City, its agents, servants, or employees from and against any and all claims, liability, losses and/or causes of action which may arise from any negligent act or omission of the successful Bidder, its sub-Bidders, agents, servants or employees during the course of performing services or caused by the goods provided pursuant to these Bid documents and/or resultant contract.

If any third-party claim is made against the City that, if sustained, would give rise to indemnification liability of the Bidder under this Agreement, the City shall promptly cause notice of the claim to be delivered to the successful Bidder and shall afford the Bidder and its counsel, at the Bidder's sole expense, the opportunity to join in defending or compromising the claim. The covenants contained in this paragraph shall survive the termination of this Agreement.

#### **6. WARRANTY**

The Contractor agrees that, unless otherwise specified, the product and/or service furnished as a result of this invitation and award thereto shall be covered by the most favorable commercial warranty the Contractor gives to any customer for comparable quantities of such products and/or services and that the right and remedies provided herein are in addition to and do not limit any rights afforded to the City by any other provision of the invitation/offer.

#### **7. ATTORNEY'S FEES**

Should either party institute any legal action or proceeding to enforce this Agreement, or for damages by reason of any alleged breach of this Agreement, or for a declaration of rights hereunder, the prevailing party in any such action or proceeding shall be entitled to receive from the other party all costs and expenses, including without limitation reasonable attorneys' fees, incurred by the prevailing party in connection with such legal action or proceeding.

#### **8. TIME**

Time is of the essence in this Agreement.

#### **9. REMEDIES**

In the event of failure of the Contractor to deliver services in accordance with the contract terms and conditions, the City, after due written notice, may procure the services from other sources and hold the Contractor responsible for any resulting additional purchase and administrative costs. This remedy shall be in addition to any other remedies that the City may have. Failure to cure a breach of a material term hereunder within twenty-four (24) hours of Contractor's receipt of written notice thereof shall entitle the City to terminate this Agreement. All rights and remedies conferred upon the parties in this Agreement are governed by the laws within the State of Florida.

#### **10. CHOICE OF LAW & VENUE**

This Agreement shall be governed by the laws of the State of Florida. Any legal proceeding regarding this Agreement shall be brought in the 14<sup>th</sup> Judicial Circuit in Bay County, Florida.

#### **11. ASSIGNMENT**

This Agreement is not assignable.

#### **12. SEVERABILITY**

In the event any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

#### **13. MODIFICATIONS**

No modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document prepared with the same or similar formality as this Agreement and executed by the City and Contractor.

#### **14. WAIVER**

Failure by the City to enforce any provision of this Agreement shall not be deemed a waiver of the provision or modification of this Agreement. A waiver by the City of any breach of a provision of this Agreement shall not be deemed a waiver of any subsequent breach and shall not be construed to be a modification of the terms of this Agreement.

#### **15. TERMINATION AND SUSPENSION**

City Termination for Cause. The Agreement may be terminated by the City for cause in the event of any breach hereof, including, but not limited to, Contractor's: (1) failing to carry forward and deliver the product as provided herein; (2) failing to comply with applicable laws, regulations, permits, or ordinances; (3) failing to timely correct defective Work; (4) making a general assignment for the benefit of its creditors; (5) having a

receiver appointed because of insolvency;(6) filing bankruptcy or having a petition for involuntary bankruptcy filed against it; (7) failing to make payments when due to subcontractors, vendors, or others for materials or labor used in the Work; (8) making a material misrepresentation to the City regarding the Work, (9) arrest or conviction of felony or fraud, or (10) any other material breach of this Agreement. In such event, the City shall provide Contractor with written notice of its intention to terminate this Agreement, stating the nature of the deficiency and the effective date of termination. At the City's sole judgment and discretion, the City may afford Contractor an opportunity to cure said deficiency, in which event the notice shall specify the time allowed. Upon termination, the City may take possession of the premises and of all materials thereon and finish the Work by whatever means it deems expedient.

City Termination for Convenience. Notwithstanding any other provision hereof, the City may at any time terminate this Agreement or any Work issued under it, in whole or in part, without cause, upon thirty (30) days written notice to Contractor. In such event, Contractor shall be compensated for any Work performed prior to the date of termination and for materials that were ordered prior to receipt of notice of termination that cannot be returned

#### PCB22-69 ITB INTERVIEW RECORDING AND MANAGEMENT SYSTEM

to the vendor, which shall become City property. Upon receipt of notice, Contractor shall discontinue the Work on the date and to the extent specified therein and shall place no further orders for materials, equipment, services, or facilities, except as needed to continue any portion of the Work not terminated. Contractor shall also make every reasonable effort to cancel, upon terms satisfactory to the City, all orders or subcontracts related to the terminated Work. Contractor may not claim any compensation not specifically provided for herein, including, but not limited to loss of anticipated profits, idle equipment, labor, and facilities, any additional claims of subcontractors and vendors.

#### 16. NOTICES

Any notice required by this Agreement shall be directed to the parties as follows: A. As to City:

City Representative: \_\_\_\_\_  
Title/Position: \_\_\_\_\_ 17007 Panama  
City Beach Pkwy., PCB, FL 32413  
Phone: \_\_\_\_\_

B. As to Contractor:

Contract Representative: \_\_\_\_\_ Title/Position: \_\_\_\_\_  
\_\_\_\_\_ Email address: \_\_\_\_\_  
\_\_\_\_\_ Mailing address: \_\_\_\_\_  
\_\_\_\_\_



Phone/Cell:

**17. AGREEMENT**

This Agreement, and any exhibits or appendixes attached hereto and incorporated herein, constitutes the entire agreement between parties pertaining to the subject matter hereof, and supersedes all prior and contemporaneous agreements, understandings, negotiations, and discussions of the parties, whether oral or written, and there are no representations, warranties, covenants, or other agreements among them.

The term "Agreement" means and includes the following documents, all of which are incorporated into this Agreement by this reference:

STATEMENT UNDER SECTION 287.087, FLORIDA STATUTES, ON PREFERENCE TO BUSINESSES WITH DRUG-FREE WORKPLACE PROGRAMS  
PUBLIC ENTITY CRIMES STATEMENT

NON-COLLUSION AFFIDAVIT E-VERIFY  
TERMS AND CONDITIONS NOTICE OF AWARD AGREEMENT

EXHIBIT A  
[ANY ADDITIONAL EXHIBITS OR APPENDICES)

ADDENDA (S)  
No. \_\_\_\_\_, dated \_\_\_\_\_, 20\_\_

No. \_\_\_\_\_, dated \_\_\_\_\_, 20\_\_ No. \_\_\_\_\_, dated \_\_\_\_\_,  
20\_\_ No. \_\_\_\_\_, dated \_\_\_\_\_, 20\_\_

[Remainder of this page is intentionally left blank]

**IN WITNESS WHEREOF**, the Contractor has executed this Agreement as of the day and year first above written.

Signed in the presence of: Contractor Witness 1 \_\_\_\_\_ (Print Name): \_\_\_\_\_

Witness 2 \_\_\_\_\_ (Print Name): \_\_\_\_\_

ATTEST:

City Clerk

By: \_\_\_\_\_

**THE CITY OF PANAMA CITY BEACH, FLORIDA,**

a municipal corporation

By: \_\_\_\_\_ Drew Whitman , City Manager





**MOUNTAIN TOP ENTERPRISE**  
**LLC**  
 753 Sc Highway 202  
 Little Mountain, SC 29075  
 info@mtop-sc.com



# Estimate

**ADDRESS**

Panama City FL Police  
 17115 Panama City Beach Parkway  
 Panama City, FL 32413

**ESTIMATE # 1180**

**DATE 07/25/2022**

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
<b>CCO-LITE-STD-3</b>	Onyx Lite Standard 3 room system (MTOPE-MKAMY) CaseCracker Onyx Lite Standard three room includes a server complete with 3TB of storage, (3) room controllers, (1) power supply, (3) wall or ceiling microphones, (3) IP camera: covert PIR (1080p), covert thermostat (720p), dome (1080p), or PTZ (720p), and (1) 5-port ethernet switch. 3-years of software support and hardware warranty included.	1	31,100.00	31,100.00T
<b>CCO-L-CAM</b>	Onyx Camera (PIR/Therm/Dome/PTZ(kys))	3	1,595.00	4,785.00T
<b>CCO-L-IP</b>	Onyx Interview in Progress Kit (per room)(ESS)	3	675.00	2,025.00T
<b>CCO-L-4TB-UPG</b>	Upgrade Lite 1, 2, or 3 room system to 4TB for additional storage capacity.(oty)	1	440.00	440.00T
<b>Misc Items</b>	Misc items used in installation/per diem/travel	1	425.00	425.00T
<b>CC-Installation</b>	CaseCracker installation	3	1,800.00	5,400.00
<b>CC-Shipping</b>	Shipping Charges	1	275.00	275.00

If you have any questions, please feel free to call or email. If you wish to proceed with this estimate, please sign below and return via email to lee@mtop-sc.com or mail to PO Box 192, Little Mountain, SC 29075

SUBTOTAL 44,450.00  
 TAX 0.00

PLEASE REMIT TO  
 MOUNTAIN TOP ENTERPRISE, LLC -- PO Box 192 -- LITTLE MOUNTAIN, SC 29075

TOTAL

**\$44,450.00**

This estimate does NOT include local and state sales tax. If the department is not tax exempt, these taxes will be added to the invoice. A connection to the departments local network will be needed to actively view and use the system from the officers desk. A safe location for the server and system power supply will be needed and the connection to local network is from this server. Standard 120 volt outlets will be needed as well. A battery backup is highly recommended but not included.

Accepted By

Accepted Date

PLEASE REMIT TO  
MOUNTAINTOP ENTERPRISE, LLC -- PO Box 192 -- LITTLE MOUNTAIN, SC 29075

PCB22-69 ITB INTERVIEW RECORDING AND MANAGEMENT SYSTEM

**BID PROPOSAL FORM**

TO: City of Panama City Beach, Florida SUBMITTED: July 27, 2022

**PCB22-69 ITB INTERVIEW RECORDING AND MANAGEMENT SYSTEM**

The Undersigned, as Bidder, hereby declares that they have examined the proposal specifications and informed themselves fully regarding all conditions pertaining to the product requirements.

The Bidder proposes and agrees, if this proposal is accepted, to contract with the **City of Panama City Beach** to receive a firm, fixed pricing schedule for the purchase and installation of an Interview Recording and Management System (IRMS) to be used for the Beach Police Department in complete accordance with **PCB22-69 ITB Interview Recording and Management System** bid specifications.

Basis of Award: The contract will be awarded to the contractor with the lowest responsive and responsible unit price Bid.

**Prices are for a complete purchase, delivery, and installation:**

DESCRIPTION	UNIT OF MEASURE	Price
Purchase, deliver and install complete IRMS System for three (3) interview rooms	1 Complete System	\$ <b>44,450.00</b>
Delivery/Installation	Days	<b>Less than 60 Days</b>

By submission of this BID, each Bidder certifies that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any other competitor.

**BIDDER:**

**Mountaintop Enterprise, LLC**  
Name of Business

**Lee B. Attaway**  
Name of Bidder

**753 SC Highway 202**  
Address

**8037682220**  
Phone Number

**Little Mountain, SC 29075**

**July 27, 2022**  
Date

  
Bidder Signature

[END OF BID PROPOSAL FORM]

Meets All requirements  
 Easy layout  
 All spec req. & req

① ②

Mountaintop Enterprise LLC

\$ ~~450~~  
 44,540

**General Requirements**

- The IRMS shall be composed of Commercial Off the Shelf (COTS) equipment.  Yes No
- The IRMS shall have a proven multi-year operational track record.  Yes No
- The IRMS shall be backed by a technical support team from the manufacturer. The cost of support shall be included as part of the software licensing.  Yes No
- The IRMS shall be backed by a minimum 3-year hardware warranty from the manufacturer. The cost of the hardware warranty shall be included in the hardware purchase.  Yes No
- The IRMS shall enable users to initiate, access, and work with recording sessions over a local area network.  Yes No
- The IRMS shall enable users to initiate, access, and work with recording sessions in a stand-alone mode.  Yes No
- The IRMS shall use a client/server architecture.  Yes No
- The IRMS server application shall run in a CentOS Linux or equivalent environment and perform recording, secure hashing, indexing, storage, and streaming of video recordings.  Yes No
- The IRMS client application shall run on a standard Windows PC which can be provided by the manufacturer or by the agency. There should be no limitation to the number of client applications a customer can load on internal workstations.  Yes No
- The IRMS client shall be an easy-to-use, intuitive graphical user interface application.  Yes No
- The IRMS shall enable an authorized administrator to create an unlimited number of user login accounts.  Yes No
- The IRMS shall enable an authorized administrator to create and manage an unlimited number of user groups.  Yes No
- The IRMS server application shall be capable of interacting with up to 6 client applications at once over an office Local Area Network (LAN).  Yes No
- The IRMS server application shall be capable of recording sessions from up to 3 rooms at once.\*  Yes No
- The IRMS shall record video and audio from at least 1 microphone and 1 camera per room but shall be able to accommodate up to 4 microphones and 2 cameras per room.  Yes No
- The IRMS server application shall interface to the interview room recording devices (cameras and microphones) over an isolated secure recording LAN.  Yes No
- The IRMS server shall interface to the isolated recording LAN through a Gigabit Ethernet link to ensure sufficient bandwidth for HD video streams from multiple rooms.  Yes No
- The IRMS shall compute a cryptographic SHA 3-256 fingerprint while recording to ensure later evidence integrity. The hash shall be computed on each video and audio stream, and the hash values shall be updated in the file approximately every two seconds.  Yes No
- The IRMS shall enable an authorized user to re-verify the file to ensure integrity at a later date.  Yes No

**Equipment Requirements**

**Server requirements:**

The IRMS compact server shall include the following: one 4TB hard drive one 128GB solid state drive, and 8GB of memory.  Yes No

Each interview room of the IRMS shall contain the following equipment:

One or two high-definition IP Cameras.  Yes No

The IRMS shall have covert (typical) or overt options for the cameras.  Yes No

The IRMS shall support ONVIF-profile S compliant Axis cameras at a minimum of 720P resolution.  Yes No

The IRMS shall support cameras with a resolution of up to 1080p.  Yes No

The IRMS cameras shall offer a wide range of configurable parameters, including frame rate, bit rate, and compression. Additionally, it shall be possible to configure the cameras to superimpose the time onto the video when the video is originally encoded. This timestamp becomes a permanent part of the video and cannot be removed.  Yes No

The IRMS shall provide the ability to control a PTZ camera from the client application user interface.  Yes No

One to four digital Microphones.  Yes No

The IRMS shall support a range of microphone choices, including the Louroe Verifact A and the Louroe Verifact D microphones.	Yes	No
The IRMS microphones shall have a frequency response from 20Hz - 5kHz (+/6dB).	Yes	No
One Technologies Room Controller (RC).	Yes	No
The IRMS RC shall perform the following functions:	Yes	No
It shall receive uncompressed audio from the microphones and format that audio, still uncompressed, for streaming across the recording LAN	Yes	No
It shall provide breakout connections to a start/stop wall switch, two recording indication lights, and a flag switch	Yes	No
It shall provide two power-over-Ethernet interfaces to the IP cameras enabling the two cameras to be served by only one Ethernet drop.	Yes	No
It shall enable changes in camera configuration settings from the IRMS client application.	Yes	No
One Start/Stop Switch mounted in a 1-gang electrical box inside or outside the interview room near the door. The switch shall start or stop recording. This equipment shall be made available as an optional component purchase.	Yes	No
One Exterior Recording Indicator Light mounted outside the interview room, with the words "In Use" to warn others that a recorded interview is in progress. The exterior recording indicator light shall only be turned on if there is positive confirmation of a recording from the IRMS server. This equipment shall be made available as an optional component purchase.	Yes	No
One interior LED Recording Indicator Light mounted in a wall plate inside the interview room that lights up with a solid light to indicate positive confirmation of a recording from the IRMS server and a blink pattern if any component is malfunctioning. This equipment shall be made available as an optional component purchase.	Yes	No
One Wired Flag Switch allows the interviewer to unobtrusively mark important parts of the interview. This equipment shall be made available as an optional component purchase.	Yes	No
The wired flag switch shall be a small, wired, momentary contact switch that is mounted under a table near where the interviewer sits.	Yes	No
Pressing the wired flag switch during the interview shall place an index point ("flag") in the video recording.	Yes	No
<b>Operation, Recording &amp; Playback</b>		
The IRMS shall enable recordings to be started from the client application running on Windows-based PCs attached to the office LAN.	Yes	No
The IRMS client shall be the main interface to the system allowing authorized users to start, view, and flag live interviews; search and playback stored interviews; export stored interviews.	Yes	No
The IRMS client shall be a traditional Windows application, not a web application.	Yes	No
The IRMS shall display a view of all available interview rooms upon logging into the IRMS client.	Yes	No
The room view screen shall show live, thumbnail views of the interview rooms, without audio.	Yes	No
The room view shall provide a security view updated every 3 seconds while no recordings are taking place.	Yes	No
The IRMS shall offer the ability to live preview a room prior to starting a recording. In this state, the observer will receive both audio and video from the room.	Yes	No
Once a recording is initiated from the workstation client, group permissions shall determine who may view the recording.	Yes	No
The IRMS shall indicate which rooms are actively recording (with a pulsing red recording icon) and which rooms are available.	Yes	No
Clicking on an interview room with a recording in progress shall allow 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.	Yes	No
Clicking on an unused room shall allow a user to start recording immediately.	Yes	No
The recording view of the IRMS shall show users both camera views in a picture-in-picture format.	Yes	No
The IRMS shall provide the ability to swap the two cameras' views by clicking on the picture-in-picture.	Yes	No
The IRMS shall provide the ability to resize both camera views independently for ease of displaying both on the same monitor.	Yes	No



The recording view of the IRMS shall enable a user to hear the audio recording, switch between audio microphones, and see a VU meter for visual feedback that audio is being recorded.	Yes	No
The recording view of the IRMS shall display metadata fields that an authorized user can fill out.	Yes	No
The IRMS client application shall provide the option to enter metadata before starting a recording. The IRMS shall pre-populate the following per-session metadata fields: room/location, start time, duration (populated after the interview completes), number of flags, and the user who initiated the recording. Other metadata shall be configurable by authorized users such as interviewer, case number, or other additional fields as desired.	Yes	No
Case notes shall be stored in two ways in the IRMS. One, there shall be a per-session Notes field. Two, case notes that are specific to points in the recording tied to flags, which allows quick access to the associated video. Both types of metadata entries shall be full-text searchable.	Yes	No
The user shall be able to view, add, edit, and delete flags by clicking on the Flags tab of the recording view. Flags shall be tied to a specific instant in the interview, and the IRMS shall be able to add them from the client with or without descriptive text. In addition to free-form text entry, the client shall allow 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" and a generic Flag. Finally, the IRMS shall be able to add a flag (without descriptive text) to the interview when the interviewer presses the flag switch in the interview room during the recording.	Yes	No
The IRMS shall provide an archive view which shall show recordings stored on the system.	Yes	No
The IRMS shall enable users to view recently recorded videos.	Yes	No
The IRMS shall enable users to search all stored recordings using keywords.	Yes	No
The IRMS shall enable users to apply filters to the video archive to aid in searching for recorded videos.	Yes	No
The IRMS shall have Administration pages for all system functions (overall system configuration, policy definition, mapping of permissions to users and groups, etc.) that are accessible to authorized users.	Yes	No
The IRMS shall maintain a system audit log, which shall record user and administrator activity for audit purposes.	Yes	No
The IRMS system audit log shall be written to standard flat files. The retention window shall be configurable. The audit log shall have the ability to be exported in a CSV file format.	Yes	No
The following events shall be logged:		
User logs in, and the user logs out.	Yes	No
Begin or end recording (either client-initiated or wall-switch-initiated)	Yes	No
Pause or resume recording	Yes	No
Delete recording	Yes	No
View video/audio	Yes	No
Export video, audio, or other data from the system	Yes	No
Add/edit/delete metadata or flags	Yes	No
System administration functions	Yes	No
The IRMS shall provide the ability to create custom reporting.	Yes	No
Data Export and Import		
The IRMS client shall support exporting An MP4 file containing both video streams and audio streams.	Yes	No
The IRMS client shall enable the user to choose to include all streams, or select any subset of streams for inclusion,	Yes	No
The IRMS shall encode video using h.264 and record the exact bits that were delivered from the IP cameras at the time of recording.	Yes	No
The IRMS shall record each track of audio twice: Once using the Apple lossless ALAC codec, and again using the AAC algorithm.	Yes	No
The IRMS shall record, in the MP4 file, the secure hash information for the audio and video streams, so that it can later be validated.	Yes	No
The MP4 file created by the IRMS shall follow open standards to enable playback in readily available commercial players such as Windows Media Player, QuickTime, and VLC.	Yes	No



The IRMS shall support exporting a PDF file containing the per-session metadata from the interview.	Yes	No
The IRMS shall allow a user to include a Windows-enabled viewer application with the exported video that allows the user to insert flags and annotations locally on their own copy.	Yes	No
The IRMS client shall enable a user to export all files (audio & video, audio-only, video-only, metadata) to the client computer.	Yes	No
The IRMS client shall enable users to store recorded files to any file system supported by the underlying hardware, including removable media and enterprise-wide file servers.	Yes	No
<b>User Management and Authentication</b>		
The IRMS shall require 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 Client when it is started.	Yes	No
The IRMS shall enable permissions to be individually set on a per-group basis for most actions on the system.	Yes	No
<b>Warranty</b>		
The products specified herein shall be covered by a three-year warranty. Contractor shall submit a copy of the warranty with the bid. Indicate in offer if warranties commence with the purchase date, delivery date or the date of manufacturer. Include any information on a delayed warranty procedure to cover the interval between time of delivery of the complete solution and the actual date that the product is placed in service by the City.	Yes	No

GOOD BOOK OF REVIEW  
 NON COMPLY w/a majority @ (39)

(2)

# 31455.53

Motorola Solutions

**General Requirements**

The IRMS shall be composed of Commercial Off the Shelf (COTS) equipment.	Yes	No
The IRMS shall have a proven multi-year operational track record.	Yes	No
The IRMS shall be backed by a technical support team from the manufacturer. The cost of support shall be included as part of the software licensing.	Yes	No
The IRMS shall be backed by a minimum 3-year hardware warranty from the manufacturer. The cost of the hardware warranty shall be included in the hardware purchase.	Yes	No
The IRMS shall enable users to initiate, access, and work with recording sessions over a local area network.	Yes	No
The IRMS shall enable users to initiate, access, and work with recording sessions in a stand-alone mode.	Yes	No
The IRMS shall use a client/server architecture.	Yes	No
The IRMS server application shall run in a CentOS Linux or equivalent environment and perform recording, secure hashing, indexing, storage, and streaming of video recordings.	Yes	No
The IRMS client application shall run on a standard Windows PC which can be provided by the manufacturer or by the agency. There should be no limitation to the number of client applications a customer can load on internal workstations.	Yes	No
The IRMS client shall be an easy-to-use, intuitive graphical user interface application.	Yes	No
The IRMS shall enable an authorized administrator to create an unlimited number of user login accounts.	Yes	No
The IRMS shall enable an authorized administrator to create and manage an unlimited number of user groups.	Yes	No
The IRMS server application shall be capable of interacting with up to 6 client applications at once over an office Local Area Network (LAN).	Yes	No
The IRMS server application shall be capable of recording sessions from up to 3 rooms at once.	Yes	No
The IRMS shall record video and audio from at least 1 microphone and 1 camera per room but shall be able to accommodate up to 4 microphones and 2 cameras per room.	Yes	No
The IRMS server application shall interface to the interview room recording devices (cameras and microphones) over an isolated secure recording LAN.	Yes	No
The IRMS server shall interface to the isolated recording LAN through a Gigabit Ethernet link to ensure sufficient bandwidth for HD video streams from multiple rooms.	Yes	No
The IRMS shall compute a cryptographic SHA 3-256 fingerprint while recording to ensure later evidence integrity. The hash shall be computed on each video and audio stream, and the hash values shall be updated in the file approximately every two seconds.	Yes	No
The IRMS shall enable an authorized user to re-verify the file to ensure integrity at a later date.	Yes	No

**Equipment Requirements**

**Server requirements:**

The IRMS compact server shall include the following: one 4TB hard drive one 128GB solid state drive, and 8GB of memory.	Yes	No
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Each interview room of the IRMS shall contain the following equipment:

One or two high-definition IP Cameras.	Yes	No
The IRMS shall have covert (typical) or overt options for the cameras.	Yes	No

The IRMS shall support ONVIF-profile S compliant Axis cameras at a minimum of 720P resolution.	Yes	No
The IRMS shall support cameras with a resolution of up to 1080p. <b>720P MAX</b>	Yes	No

The IRMS cameras shall offer a wide range of configurable parameters, including frame rate, bit rate, and compression. Additionally, it shall be possible to configure the cameras to superimpose the time onto the video when the video is originally encoded. This timestamp becomes a permanent part of the video and cannot be removed.	Yes	No
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The IRMS shall provide the ability to control a PTZ camera from the client application user interface.	Yes	No
One to four digital Microphones.	Yes	No

(315)

The IRMS shall support a range of microphone choices, including the Louroe Verifact A and the Louroe Verifact D microphones.

Yes  
Yes No

The IRMS microphones shall have a frequency response from 20Hz - 5kHz (+/-6dB).

One Technologies Room Controller (RC).

Yes  
Yes No

The IRMS RC shall perform the following functions:

It shall receive uncompressed audio from the microphones and format that audio, still uncompressed, for streaming across the recording LAN

Yes  
Yes No

It shall provide breakout connections to a start/stop wall switch, two recording indication lights, and a flag switch

Yes  
Yes No

It shall provide two power-over-Ethernet interfaces to the IP cameras enabling the two cameras to be served by only one Ethernet drop.

Yes  
Yes No

It shall enable changes in camera configuration settings from the IRMS client application.

One Start/Stop Switch mounted in a 1-gang electrical box inside or outside the interview room near the door. The switch shall start or stop recording. This equipment shall be made available as an optional component purchase.

Yes  
Yes No

One Exterior Recording Indicator Light mounted outside the interview room, with the words "In Use" to warn others that a recorded interview is in progress. The exterior recording indicator light shall only be turned on if there is positive confirmation of a recording from the IRMS server. This equipment shall be made available as an optional component purchase.

Yes  
Yes No —

One Interior LED Recording Indicator Light mounted in a wall plate inside the interview room that lights up with a solid light to indicate positive confirmation of a recording from the IRMS server and a blink pattern if any component is malfunctioning. This equipment shall be made available as an optional component purchase.

Yes  
Yes No —

One Wired Flag Switch allows the interviewer to unobtrusively mark important parts of the interview. This equipment shall be made available as an optional component purchase.

Yes  
Yes No —

The wired flag switch shall be a small, wired, momentary contact switch that is mounted under a table near where the interviewer sits.

Yes  
Yes No

Pressing the wired flag switch during the interview shall place an index point ("flag") in the video recording.

Yes  
Yes No

**Operation, Recording & Playback**

The IRMS shall enable recordings to be started from the client application running on Windows-based PCs attached to the office LAN.

Yes  
Yes No

The IRMS client shall be the main interface to the system allowing authorized users to start, view, and flag live interviews; search and playback stored interviews; export stored interviews.

Yes  
Yes No

The IRMS client shall be a traditional Windows application, not a web application.

The IRMS shall display a view of all available interview rooms upon logging into the IRMS client.

Yes  
Yes No

The room view screen shall show live, thumbnail views of the interview rooms, without audio.

Yes  
Yes No

The room view shall provide a security view updated every 3 seconds while no recordings are taking place.

Yes  
Yes No

The IRMS shall offer the ability to live preview a room prior to starting a recording. In this state, the observer will receive both audio and video from the room.

Yes  
Yes No

Once a recording is initiated from the workstation client, group permissions shall determine who may view the recording.

Yes  
Yes No

The IRMS shall indicate which rooms are actively recording (with a pulsing red recording icon) and which rooms are available.

Yes  
Yes No

Clicking on an interview room with a recording in progress shall allow 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.

Yes  
Yes No

**DVR / WALL SWITCH ONLY**

Clicking on an unused room shall allow a user to start recording immediately.

Yes  
Yes No

The recording view of the IRMS shall show users both camera views in a picture-in-picture format.

Yes  
Yes No

The IRMS shall provide the ability to swap the two cameras' views by clicking on the picture-in-picture.

Yes  
Yes No

The IRMS shall provide the ability to resize both camera views independently for ease of displaying both on the same monitor.

Yes  
Yes No

The recording view of the IRMS shall enable a user to hear the audio recording, switch between audio microphones, and see a VU meter for visual feedback that audio is being recorded.	Yes	<input checked="" type="radio"/> No
The recording view of the IRMS shall display metadata fields that an authorized user can fill out.	<del>Yes</del>	No
The IRMS client application shall provide the option to enter metadata before starting a recording. The IRMS shall pre-populate the following per-session metadata fields: room/location, start time, duration (populated after the interview completes), number of flags, and the user who initiated the recording. Other metadata shall be configurable by authorized users such as interviewer, case number, or other additional fields as desired.	Yes	<input checked="" type="radio"/> No
<i>PARTIAL COMPLY</i>	Yes	<input checked="" type="radio"/> No
Case notes shall be stored in two ways in the IRMS. One, there shall be a per-session Notes field. Two, case notes that are specific to points in the recording tied to flags, which allows quick access to the associated video. Both types of metadata entries shall be full-text searchable.	Yes	<input checked="" type="radio"/> No
The user shall be able to view, add, edit, and delete flags by clicking on the Flags tab of the recording view. Flags shall be tied to a specific instant in the interview, and the IRMS shall be able to add them from the client with or without descriptive text. In addition to free-form text entry, the client shall allow 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" and a generic Flag. Finally, the IRMS shall be able to add a flag (without descriptive text) to the interview when the interviewer presses the flag switch in the interview room during the recording.	Yes	<input checked="" type="radio"/> No
The IRMS shall provide an archive view which shall show recordings stored on the system.	Yes	No
The IRMS shall enable users to view recently recorded videos.	Yes	No
The IRMS shall enable users to search all stored recordings using keywords.	Yes	<input checked="" type="radio"/> No
<i>PARTIAL</i>	Yes	No
The IRMS shall enable users to apply filters to the video archive to aid in searching for recorded videos.	Yes	No
The IRMS shall have Administration pages for all system functions (overall system configuration, policy definition, mapping of permissions to users and groups, etc.) that are accessible to authorized users.	Yes	No
The IRMS shall maintain a system audit log, which shall record user and administrator activity for audit purposes.	Yes	No
The IRMS system audit log shall be written to standard flat files. The retention window shall be configurable. The audit log shall have the ability to be exported in a CSV file format.	Yes	No
The following events shall be logged:		
User logs in, and the user logs out.	Yes	No
Begin or end recording (either client-initiated or wall-switch-initiated)	Yes	No
Pause or resume recording	Yes	No
Delete recording	Yes	No
View video/audio	Yes	No
Export video, audio, or other data from the system	Yes	No
Add/edit/delete metadata or flags	Yes	No
System administration functions	Yes	No
The IRMS shall provide the ability to create custom reporting.	Yes	No
Data Export and Import		
The IRMS client shall support exporting An MP4 file containing both video streams and audio streams.	<del>Yes</del>	No
The IRMS client shall enable the user to choose to include all streams, or select any subset of streams for inclusion,	Yes	No
The IRMS shall encode video using h.264 and record the exact bits that were delivered from the IP cameras at the time of recording.	Yes	No
The IRMS shall record each track of audio twice: Once using the Apple lossless ALAC codec, and again using the AAC algorithm.	Yes	<input checked="" type="radio"/> No
<i>ONLY</i>		
The IRMS shall record, in the MP4 file, the secure hash information for the audio and video streams, so that it can later be validated.	Yes	No
The MP4 file created by the IRMS shall follow open standards to enable playback in readily available commercial players such as Windows Media Player, QuickTime, and VLC.	Yes	No

The IRMS shall support exporting a PDF file containing the per-session metadata from the interview.	Yes	<input checked="" type="radio"/> No
The IRMS shall allow a user to include a Windows-enabled viewer application with the exported video that allows the user to insert flags and annotations locally on their own copy.	Yes	No
The IRMS client shall enable a user to export all files (audio & video, audio-only, video-only, metadata) to the client computer.	Yes	No
The IRMS client shall enable users to store recorded files to any file system supported by the underlying hardware, including removable media and enterprise-wide file servers.	Yes	No
<b>User Management and Authentication</b>		
The IRMS shall require 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 Client when it is started.	Yes	No
The IRMS shall enable permissions to be individually set on a per-group basis for most actions on the system.	Yes	No
<b>Warranty</b>		
The products specified herein shall be covered by a three-year warranty. Contractor shall submit a copy of the warranty with the bid. Indicate in offer if warranties commence with the purchase date, delivery date or the date of manufacturer. Include any information on a delayed warranty procedure to cover the interval between time of delivery of the complete solution and the actual date that the product is placed in service by the City.	Yes	No



NO USB - SENT OVER BID  
 DIDN'T FOLLOW INSTRUCTIONS - NON COMPLIANT  
 1 year hardware  
 Mobile unit - to set up interview

\*NO GO\*

# 31,431.33

ProLogic ITS, LLC

**General Requirements**

The IRMS shall be composed of Commercial Off the Shelf (COTS) equipment.	Yes	No
The IRMS shall have a proven multi-year operational track record.	Yes	No
The IRMS shall be backed by a technical support team from the manufacturer. The cost of support shall be included as part of the software licensing.	Yes	No
The IRMS shall be backed by a minimum 3-year hardware warranty from the manufacturer. The cost of the hardware warranty shall be included in the hardware purchase.	Yes	No
The IRMS shall enable users to initiate, access, and work with recording sessions over a local area network.	Yes	No
The IRMS shall enable users to initiate, access, and work with recording sessions in a stand-alone mode.	Yes	No
The IRMS shall use a client/server architecture.	Yes	No
The IRMS server application shall run in a CentOS Linux or equivalent environment and perform recording, secure hashing, indexing, storage, and streaming of video recordings.	Yes	No
The IRMS client application shall run on a standard Windows PC which can be provided by the manufacturer or by the agency. There should be no limitation to the number of client applications a customer can load on internal workstations.	Yes	No
The IRMS client shall be an easy-to-use, intuitive graphical user interface application.	Yes	No
The IRMS shall enable an authorized administrator to create an unlimited number of user login accounts.	Yes	No
The IRMS shall enable an authorized administrator to create and manage an unlimited number of user groups.	Yes	No
The IRMS server application shall be capable of interacting with up to 6 client applications at once over an office Local Area Network (LAN).	Yes	No
The IRMS server application shall be capable of recording sessions from up to 3 rooms at once.	Yes	No
The IRMS shall record video and audio from at least 1 microphone and 1 camera per room but shall be able to accommodate up to 4 microphones and 2 cameras per room.	Yes	No
The IRMS server application shall interface to the interview room recording devices (cameras and microphones) over an isolated secure recording LAN.	Yes	No
The IRMS server shall interface to the isolated recording LAN through a Gigabit Ethernet link to ensure sufficient bandwidth for HD video streams from multiple rooms.		
The IRMS shall compute a cryptographic SHA 3-256 fingerprint while recording to ensure later evidence integrity. The hash shall be computed on each video and audio stream, and the hash values shall be updated in the file approximately every two seconds.	Yes	No
The IRMS shall enable an authorized user to re-verify the file to ensure integrity at a later date.	Yes	No

**Equipment Requirements**

**Server requirements:**

The IRMS compact server shall include the following: one 4TB hard drive, one 428GB solid state drive, and 8GB of memory.	Yes	No
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? didn't mention  
256

Each interview room of the IRMS shall contain the following equipment:		
One or two high-definition IP Cameras.	Yes	No
The IRMS shall have covert (typical) or overt options for the cameras.	Yes	No
The IRMS shall support ONVIF-profile S compliant Axis cameras at a minimum of 720P resolution.	Yes	No
The IRMS shall support cameras with a resolution of up to 1080p.	Yes	No
The IRMS cameras shall offer a wide range of configurable parameters, including frame rate, bit rate, and compression. Additionally, it shall be possible to configure the cameras to superimpose the time onto the video when the video is originally encoded. This timestamp becomes a permanent part of the video and cannot be removed.	Yes	No
The IRMS shall provide the ability to control a PTZ camera from the client application user interface.	Yes	No
One to four digital Microphones.	Yes	No

The recording view of the IRMS shall enable a user to hear the audio recording, switch between audio microphones, and see a VU meter for visual feedback that audio is being recorded.	Yes	No
The recording view of the IRMS shall display metadata fields that an authorized user can fill out.	Yes	No
The IRMS client application shall provide the option to enter metadata before starting a recording.	Yes	No
The IRMS shall pre-populate the following per-session metadata fields: room/location, start time, duration (populated after the interview completes), number of flags, and the user who initiated the recording. Other metadata shall be configurable by authorized users such as interviewer, case number, or other additional fields as desired.	Yes	No
Case notes shall be stored in two ways in the IRMS. One, there shall be a per-session Notes field. Two, case notes that are specific to points in the recording tied to flags, which allows quick access to the associated video. Both types of metadata entries shall be full-text searchable.	Yes	No
The user shall be able to view, add, edit, and delete flags by clicking on the Flags tab of the recording view. Flags shall be tied to a specific instant in the interview, and the IRMS shall be able to add them from the client with or without descriptive text. In addition to free-form text entry, the client shall allow 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" and a generic Flag. Finally, the IRMS shall be able to add a flag (without descriptive text) to the interview when the interviewer presses the flag switch in the interview room during the recording.	Yes	No
The IRMS shall provide an archive view which shall show recordings stored on the system.	Yes	No
The IRMS shall enable users to view recently recorded videos,	Yes	No
The IRMS shall enable users to search all stored recordings using keywords.	Yes	No
The IRMS shall enable users to apply filters to the video archive to aid in searching for recorded videos.	Yes	No
The IRMS shall have Administration pages for all system functions (overall system configuration, policy definition, mapping of permissions to users and groups, etc.) that are accessible to authorized users.	Yes	No
The IRMS shall maintain a system audit log, which shall record user and administrator activity for audit purposes.	Yes	No
The IRMS system audit log shall be written to standard flat files. The retention window shall be configurable. The audit log shall have the ability to be exported in a CSV file format.	Yes	No
The following events shall be logged:		
User logs in, and the user logs out.	Yes	No
Begin or end recording (either client-initiated or wall-switch-initiated)	Yes	No
Pause or resume recording	Yes	No
Delete recording	Yes	No
View video/audio	Yes	No
Export video, audio, or other data from the system	Yes	No
Add/edit/delete metadata or flags	Yes	No
System administration functions	Yes	No
The IRMS shall provide the ability to create custom reporting.	Yes	No
<b>Data Export and Import</b>		
The IRMS client shall support exporting An MP4 file containing both video streams and audio streams.	Yes	No
The IRMS client shall enable the user to choose to include all streams, or select any subset of streams for inclusion,	Yes	No
The IRMS shall encode video using h.264 and record the exact bits that were delivered from the IP cameras at the time of recording.	Yes	No
The IRMS shall record each track of audio twice: Once using the Apple lossless ALAC codec, and again using the AAC algorithm.	Yes	No
The IRMS shall record, in the MP4 file, the secure hash information for the audio and video streams, so that it can later be validated.	Yes	No
The MP4 file created by the IRMS shall follow open standards to enable playback in readily available commercial players such as Windows Media Player, QuickTime, and VLC.	Yes	No



The IRMS shall support a range of microphone choices, including the Louroe Verifact A and the Louroe Verifact D microphones.	Yes	No
The IRMS microphones shall have a frequency response from 20Hz - 5kHz (+/-6dB).	Yes	No
One Technologies Room Controller (RC).	Yes	No
The IRMS RC shall perform the following functions:	Yes	No
It shall receive uncompressed audio from the microphones and format that audio, still uncompressed, for streaming across the recording LAN	Yes	No
It shall provide breakout connections to a start/stop wall switch, two recording indication lights, and a flag switch	Yes	No
It shall provide two power-over-Ethernet interfaces to the IP cameras enabling the two cameras to be served by only one Ethernet drop.	Yes	No
It shall enable changes in camera configuration settings from the IRMS client application.	Yes	No
One Start/Stop Switch mounted in a 1-gang electrical box inside or outside the interview room near the door. The switch shall start or stop recording. This equipment shall be made available as an optional component purchase.	Yes	No
One Exterior Recording Indicator Light mounted outside the interview room, with the words "In Use" to warn others that a recorded interview is in progress. The exterior recording indicator light shall only be turned on if there is positive confirmation of a recording from the IRMS server. This equipment shall be made available as an optional component purchase.	Yes	No
One Interior LED Recording Indicator Light mounted in a wall plate inside the interview room that lights up with a solid light to indicate positive confirmation of a recording from the IRMS server and a blink pattern if any component is malfunctioning. This equipment shall be made available as an optional component purchase.	Yes	No
One Wired Flag Switch allows the interviewer to unobtrusively mark important parts of the interview. This equipment shall be made available as an optional component purchase.	<del>Yes</del>	<del>No</del>
The wired flag switch shall be a small, wired, momentary contact switch that is mounted under a table near where the interviewer sits.	Yes	<del>No</del>
Pressing the wired flag switch during the interview shall place an index point ("flag") in the video recording.	<del>Yes</del>	No
<b>Operation, Recording &amp; Playback</b>		
The IRMS shall enable recordings to be started from the client application running on Windows-based PCs attached to the office LAN.	Yes	No
The IRMS client shall be the main interface to the system allowing authorized users to start, view, and flag live interviews; search and playback stored interviews; export stored interviews.	Yes	No
The IRMS client shall be a traditional Windows application, not a web application.	Yes	No
The IRMS shall display a view of all available interview rooms upon logging into the IRMS client.	Yes	No
The room view screen shall show live, thumbnail views of the interview rooms, without audio.	Yes	No
The room view shall provide a security view updated every 3 seconds while no recordings are taking place.	Yes	No
The IRMS shall offer the ability to live preview a room prior to starting a recording. In this state, the observer will receive both audio and video from the room.	Yes	No
Once a recording is initiated from the workstation client, group permissions shall determine who may view the recording.	Yes	No
The IRMS shall indicate which rooms are actively recording (with a pulsing red recording icon) and which rooms are available.	Yes	No
Clicking on an interview room with a recording in progress shall allow 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.	Yes	No
Clicking on an unused room shall allow a user to start recording immediately.	Yes	No
The recording view of the IRMS shall show users both camera views in a picture-in-picture format.	Yes	No
The IRMS shall provide the ability to swap the two cameras' views by clicking on the picture-in-picture.	Yes	No
The IRMS shall provide the ability to resize both camera views independently for ease of displaying both on the same monitor.	Yes	No

The IRMS shall support exporting a PDF file containing the per-session metadata from the interview.	Yes	No
The IRMS shall allow a user to include a Windows-enabled viewer application with the exported video that allows the user to insert flags and annotations locally on their own copy.	Yes	No
The IRMS client shall enable a user to export all files (audio & video, audio-only, video-only, metadata) to the client computer.	Yes	No
The IRMS client shall enable users to store recorded files to any file system supported by the underlying hardware, including removable media and enterprise-wide file servers.	Yes	No
<b>User Management and Authentication</b>		
The IRMS shall require 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 Client when it is started.	Yes	No
The IRMS shall enable permissions to be individually set on a per-group basis for most actions on the system.	Yes	No
<b>Warranty</b>		
The products specified herein shall be covered by a three-year warranty. Contractor shall submit a copy of the warranty with the bid. Indicate in offer if warranties commence with the purchase date, delivery date or the date of manufacturer. Include any information on a delayed warranty procedure to cover the interval between time of delivery of the complete solution and the actual date that the product is placed in service by the City.	Yes	No

DID NOT PROVIDE REQUESTED SPECS \*

\*NO GO\*

DVR 3RM Storage  
NO FLASH DRIVE

Precise Digital

# 21,234.14

**General Requirements**

The IRMS shall be composed of Commercial Off the Shelf (COTS) equipment.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
The IRMS shall have a proven multi-year operational track record.	<input type="radio"/> Yes	<input checked="" type="radio"/> No
The IRMS shall be backed by a technical support team from the manufacturer. The cost of support shall be included as part of the software licensing.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall be backed by a minimum 3-year hardware warranty from the manufacturer. The cost of the hardware warranty shall be included in the hardware purchase.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall enable users to initiate, access, and work with recording sessions over a local area network.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall enable users to initiate, access, and work with recording sessions in a stand-alone mode.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall use a client/server architecture.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS server application shall run in a CentOS Linux or equivalent environment and perform recording, secure hashing, indexing, storage, and streaming of video recordings.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS client application shall run on a standard Windows PC which can be provided by the manufacturer or by the agency. There should be no limitation to the number of client applications a customer can load on internal workstations.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS client shall be an easy-to-use, intuitive graphical user interface application.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall enable an authorized administrator to create an unlimited number of user login accounts.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall enable an authorized administrator to create and manage an unlimited number of user groups.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS server application shall be capable of interacting with up to 6 client applications at once over an office Local Area Network (LAN).	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS server application shall be capable of recording sessions from up to 3 rooms at once.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall record video and audio from at least 1 microphone and 1 camera per room but shall be able to accommodate up to 4 microphones and 2 cameras per room.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS server application shall interface to the Interview room recording devices (cameras and microphones) over an isolated secure recording LAN.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS server shall interface to the isolated recording LAN through a Gigabit Ethernet link to ensure sufficient bandwidth for HD video streams from multiple rooms.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall compute a cryptographic SHA 3-256 fingerprint while recording to ensure later evidence integrity. The hash shall be computed on each video and audio stream, and the hash values shall be updated in the file approximately every two seconds.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall enable an authorized user to re-verify the file to ensure integrity at a later date.	<input type="radio"/> Yes	<input type="radio"/> No

**Equipment Requirements**

**Server requirements:**

The IRMS compact server shall include the following: one <sup>2</sup> /TB hard drive one 128GB solid state drive, and 8GB of memory.	<input type="radio"/> Yes	<input checked="" type="radio"/> No
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Each interview room of the IRMS shall contain the following equipment:

One or two high-definition IP Cameras.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall have covert (typical) or overt options for the cameras.	<input checked="" type="radio"/> Yes	<input type="radio"/> No

The IRMS shall support ONVIF-profile S compliant Axis cameras at a minimum of 720P resolution.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS shall support cameras with a resolution of up to 1080p.	<input type="radio"/> Yes	<input type="radio"/> No
The IRMS cameras shall offer a wide range of configurable parameters, including frame rate, bit rate, and compression. Additionally, it shall be possible to configure the cameras to superimpose the time onto the video when the video is originally encoded. This timestamp becomes a permanent part of the video and cannot be removed.	<input type="radio"/> Yes	<input type="radio"/> No

The IRMS shall provide the ability to control a PTZ camera from the client application user interface.	<input type="radio"/> Yes	<input checked="" type="radio"/> No
One to four digital Microphones.	<input type="radio"/> Yes	<input type="radio"/> No

The IRMS shall support a range of microphone choices, including the Louroe Verifact A and the Louroe Verifact D microphones.	Yes	No
The IRMS microphones shall have a frequency response from 20Hz - 5kHz (+/-6dB).	Yes	No
One Technologies Room Controller (RC).	Yes	No
The IRMS RC shall perform the following functions:	Yes	No
It shall receive uncompressed audio from the microphones and format that audio, still uncompressed, for streaming across the recording LAN	Yes	No
It shall provide breakout connections to a start/stop wall switch, two recording indication lights, and a flag switch	Yes	No
It shall provide two power-over-Ethernet interfaces to the IP cameras enabling the two cameras to be served by only one Ethernet drop.	Yes	No
It shall enable changes in camera configuration settings from the IRMS client application.	Yes	No
One Start/Stop Switch mounted in a 1-gang electrical box inside or outside the interview room near the door. The switch shall start or stop recording. This equipment shall be made available as an optional component purchase.	Yes	No
One Exterior Recording Indicator Light mounted outside the interview room, with the words "In Use" to warn others that a recorded interview is in progress. The exterior recording indicator light shall only be turned on if there is positive confirmation of a recording from the IRMS server. This equipment shall be made available as an optional component purchase.	Yes	No
One interior LED Recording Indicator Light mounted in a wall plate inside the interview room that lights up with a solid light to indicate positive confirmation of a recording from the IRMS server and a blink pattern if any component is malfunctioning. This equipment shall be made available as an optional component purchase.	Yes	No
One Wired Flag Switch allows the interviewer to unobtrusively mark important parts of the interview. This equipment shall be made available as an optional component purchase.	Yes	No
The wired flag switch shall be a small, wired, momentary contact switch that is mounted under a table near where the interviewer sits.	Yes	No
Pressing the wired flag switch during the interview shall place an index point ("flag") in the video recording.	Yes	No
<b>Operation, Recording &amp; Playback</b>		
The IRMS shall enable recordings to be started from the client application running on Windows-based PCs attached to the office LAN.	Yes	No
The IRMS client shall be the main interface to the system allowing authorized users to start, view, and flag live interviews; search and playback stored interviews; export stored interviews.	Yes	No
The IRMS client shall be a traditional Windows application, not a web application.	Yes	No
The IRMS shall display a view of all available interview rooms upon logging into the IRMS client.	Yes	No
The room view screen shall show live, thumbnail views of the interview rooms, without audio.	Yes	No
The room view shall provide a security view updated every 3 seconds while no recordings are taking place.	Yes	No
The IRMS shall offer the ability to live preview a room prior to starting a recording. In this state, the observer will receive both audio and video from the room.	Yes	No
Once a recording is initiated from the workstation client, group permissions shall determine who may view the recording.	Yes	No
The IRMS shall indicate which rooms are actively recording (with a pulsing red recording icon) and which rooms are available.	Yes	No
Clicking on an interview room with a recording in progress shall allow 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.	Yes	No
Clicking on an unused room shall allow a user to start recording immediately.	Yes	No
The recording view of the IRMS shall show users both camera views in a picture-in-picture format.	Yes	No
The IRMS shall provide the ability to swap the two cameras' views by clicking on the picture-in-picture.	Yes	No
The IRMS shall provide the ability to resize both camera views independently for ease of displaying both on the same monitor.	Yes	No

The recording view of the IRMS shall enable a user to hear the audio recording, switch between audio microphones, and see a VU meter for visual feedback that audio is being recorded.	Yes	No
The recording view of the IRMS shall display metadata fields that an authorized user can fill out.	Yes	No
The IRMS client application shall provide the option to enter metadata before starting a recording.	Yes	No
The IRMS shall pre-populate the following per-session metadata fields: room/location, start time, duration (populated after the interview completes), number of flags, and the user who initiated the recording. Other metadata shall be configurable by authorized users such as interviewer, case number, or other additional fields as desired.	Yes	No
Case notes shall be stored in two ways in the IRMS. One, there shall be a per-session Notes field. Two, case notes that are specific to points in the recording tied to flags, which allows quick access to the associated video. Both types of metadata entries shall be full-text searchable.	Yes	No
The user shall be able to view, add, edit, and delete flags by clicking on the Flags tab of the recording view. Flags shall be tied to a specific instant in the interview, and the IRMS shall be able to add them from the client with or without descriptive text. In addition to free-form text entry, the client shall allow 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" and a generic Flag. Finally, the IRMS shall be able to add a flag (without descriptive text) to the interview when the interviewer presses the flag switch in the interview room during the recording.	Yes	No
The IRMS shall provide an archive view which shall show recordings stored on the system.	Yes	No
The IRMS shall enable users to view recently recorded videos,	Yes	No
The IRMS shall enable users to search all stored recordings using keywords.	Yes	No
The IRMS shall enable users to apply filters to the video archive to aid in searching for recorded videos.	Yes	No
The IRMS shall have Administration pages for all system functions (overall system configuration, policy definition, mapping of permissions to users and groups, etc.) that are accessible to authorized users.	Yes	No
The IRMS shall maintain a system audit log, which shall record user and administrator activity for audit purposes.	Yes	No
The IRMS system audit log shall be written to standard flat files. The retention window shall be configurable. The audit log shall have the ability to be exported in a CSV file format.	Yes	No
The following events shall be logged:		
User logs in, and the user logs out.	Yes	No
Begin or end recording (either client-initiated or wall-switch-initiated)	Yes	No
Pause or resume recording	Yes	No
Delete recording	Yes	No
View video/audio	Yes	No
Export video, audio, or other data from the system	Yes	No
Add/edit/delete metadata or flags	Yes	No
System administration functions	Yes	No
The IRMS shall provide the ability to create custom reporting.	Yes	No
<b>Data Export and Import</b>		
The IRMS client shall support exporting An MP4 file containing both video streams and audio streams.	Yes	No
The IRMS client shall enable the user to choose to include all streams, or select any subset of streams for inclusion,	Yes	No
The IRMS shall encode video using h.264 and record the exact bits that were delivered from the IP cameras at the time of recording.	Yes	No
The IRMS shall record each track of audio twice: Once using the Apple lossless ALAC codec, and again using the AAC algorithm.	Yes	No
The IRMS shall record, in the MP4 file, the secure hash information for the audio and video streams, so that it can later be validated.	Yes	No
The MP4 file created by the IRMS shall follow open standards to enable playback in readily available commercial players such as Windows Media Player, QuickTime, and VLC.	Yes	No



The IRMS shall support exporting a PDF file containing the per-session metadata from the interview.	Yes	No
The IRMS shall allow a user to include a Windows-enabled viewer application with the exported video that allows the user to insert flags and annotations locally on their own copy.	Yes	No
The IRMS client shall enable a user to export all files (audio & video, audio-only, video-only, metadata) to the client computer.	Yes	No
The IRMS client shall enable users to store recorded files to any file system supported by the underlying hardware, including removable media and enterprise-wide file servers.	Yes	No
<b>User Management and Authentication</b>		
The IRMS shall require 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 Client when it is started.	Yes	No
The IRMS shall enable permissions to be individually set on a per-group basis for most actions on the system.	Yes	No
<b>Warranty</b>		
The products specified herein shall be covered by a three-year warranty. Contractor shall submit a copy of the warranty with the bid. Indicate in offer if warranties commence with the purchase date, delivery date or the date of manufacturer. Include any information on a delayed warranty procedure to cover the interval between time of delivery of the complete solution and the actual date that the product is placed in service by the City.	Yes	No