

CCSO FY2024 Proposed Projects

<i>Project #</i>	<i>Project Description</i>	<i>Estimated Cost</i>
24-1	I-Pro Body Camera for Field and Security Services	\$211,246
24-2	FLIR Night Vision Devices (2)	\$ 5,198
24-3	Completion of "Pistol" Project	\$ 28,654
24-4	WRAP for Patrol Teams (4)	\$ 6,000
24-5	Patrol Drones (4)	\$29,764
24-6	Crime Lab Fingerprint Software	\$ 82,720
N/A	Additional Ammo Purchase for Pistol Optics Transition	\$12,000
TOTAL		\$375,582

Project # 24-1 Panasonic I-Pro body worn cameras.

Background: CCSO deputies have old outdated Pro-Vision Body Worn Cameras (BWC), many of which are past warranty. These cameras require substantial hours of deputy time to download onto multiple servers under CCSO's current mechanisms.

Justification: BWC are a standard and vital piece of law enforcement equipment in use today. BWCs are critical in providing video and audio of evidentiary value in criminal and civil cases, and are a must in defending Canyon County and its deputies against civil and criminal lawsuits. There are several different manufacturers and plans in the market for BWCs. CCSO believes that the Panasonic I-Pro BWC is the best product for CCSO.

Cost: We have researched and sought bids from three companies for a total of 120 body worn cameras including accessories for in car systems.

Bid 1: Panasonic I-Pro BWC with accessories \$211,246.58. Can use our server or use their cloud.

Bid 2: Utility BWC including in car systems \$ 900,000 over 5 years. Must use their cloud server.

Bid 3: Lenslock BWC never got bid due to having to use their cloud server and cameras being substandard.

This is a request to purchase 120 Panasonic I-Pro BWC4000 officer body worn cameras for Field Services and Security Services deputies. These BWC cameras are compatible with the current Panasonic in car cameras being installed by Canyon County Fleet in patrol vehicles. By purchasing I-Pro BWC, they will communicate and operate using the in-car system including automatic downloading. The importance and cost savings of automatic downloading are massive, saving hundreds of deputy hours each year.

Currently Canyon County operates Pro Vision BC-4 body cameras. These cameras do not have Wi-Fi, GPS or Blue Tooth capabilities. In short – the technology associated with these cameras is insufficient. Deputies record day to day operational video using these body cameras. Deputies then must return to the Sheriff's Office and manually download these cameras to a contact server or computer in report writing under their individual file. They then transfer case specific video data to a thumb drive to download on to the Digital Information Management System (D.I.M.S.) computer that stores video's and pictures. This takes a tremendous amount of time just for data and video download. Average time to download and transfer video using a Pro Vision camera can be from one to three hours depending on video file size.

The current cost of a Pro Vision BC-4 Camera is approximately \$525.00 dollars. These cameras come with a single base charging unit and power cord for this price. Pro Vision cameras come with a one-year warrant. The internal batteries have only a one-year warranty. To replace a battery in this camera, you must remove several small screws to internally access the unit exposing the internal circuit board.

Pro Vision cameras have an information screen on top of the camera. This screen shows power status, recording status along with other digital function. The problem with Pro Vision camera screens, is they do not dim enough during night time hours or low light. The camera's digital screen back lights the officers face and chest area at the lowest setting. This is an officer safety issue and concealment issue for our deputies. Currently most deputies have to use electrical tape to cover the screen as to not back light them when they have night time encounters with persons or suspects.

We have tested and researched I-Pro BWC4000 cameras. These cameras come with a three-year manufacture warranty. The camera battery comes with a one-year warranty. I-Pro camera batteries are removable and can be replaced and charged in a moment's notice. This is a great benefit if you have a critical event or operation where batteries need rotated out and recharged. Average battery life is approximately 12 hours. The plan is to buy several spare batteries to have charged and ready for rotation and deployment when necessary for operations.

I-Pro 4000 cameras have replaceable batteries, H.264 / H.265 video compression, MP4 video file format, LCD menu/screen for tagging with built in covert mode, rugged IP67 and MIL-STD-810G architecture, 1080p/720p/360p resolution, 4 microphones for better noise reduction, built in GPS, Wi-Fi and Blue tooth for digital downloading to an On-Premise server owned by the agency.

Canyon County also has the option to use I-Pro Cloud services if we choose. I-Pro cameras are compatible with Panasonic Arbitrator I-Pro in car video systems. We currently use Panasonic in car video systems in all patrol vehicles. These body worn cameras will function and communicate with the current in car systems in use by CCSO. When a deputy activates the emergency lights on his patrol vehicle. His or Her I-Pro body camera will also activate. This is a great feature to have a body worn camera that works with the in-car system. Deputies have the ability to tag in-car video and I-Pro body worn cameras with a case number and other pertinent information to the case. The body camera will then match the tagged information from the car video and send this information to a data file. These two combined systems have the ability to use Wi-Fi to download to a server of our choosing. Currently Canyon County Panasonic in car cameras auto download to a server at the Sheriff's Office. We do not have this feature using the current Pro-Vision cameras. Pro-Vision cameras do not Sync and communicate with Panasonic Arbitrator in car systems.

CCSO is requesting to purchase one hundred and twenty (120) Panasonic I-Pro 4000 body worn cameras for Field Services and Security Services. Currently, we have no Pro Vision cameras in stock, and need to move forward with this decision in order to properly outfit our deputies.

The purchase would involve the following items:

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|--|------------------|-------------------|
| 1. 120 Panasonic I-Pro BWC4000 camcorder-internal flash | \$768.00 each. | Total \$92,160.00 |
| 2. 60 Panasonic I-Pro single docking station for BWC. | \$242.00 each. | Total \$14,520.00 |
| 3. 60 Panasonic I-Pro 12V vehicle harness for BWC. | \$39.00 each. | Total \$2,340.00 |
| 4. 60 Panasonic I-Pro 25ft ICV ether net cables. | \$25.00 each. | Total \$1,500.00 |
| 5. 120 Panasonic I-Pro BWC UDE- on premise license (3 year). | \$375.00 each. | Total \$45,000.00 |
| 6. 60 Panasonic 3-year APOS accidental damage warranty. | \$125.00 each | Total \$7,500.00 |
| 7. 120 Panasonic Klick fast rectangular Magnetic mount Kit. | \$59.00 each. | Total \$7,080.00 |
| 8. 20 Panasonic I-Pro replacement battery for BWC4000. | \$193.00 each. | Total \$3,860.00 |
| 9. 8 Panasonic I-Pro BWC 4000 8-bay dock downloaders. | \$1,530.00 each. | Total \$12,240.00 |

10. 1 Panasonic I-Pro BWC 8-bay charger.	\$628.13 each	Total \$628.13
11. 9 Panasonic I-Pro 8-bay charging power cables.	\$123.00 each	Total \$1,107.00
12. 5 Panasonic I-Pro KF dock with leather belt clips (bundles).	\$128.89 each	Total \$644.45
13. 60 Panasonic Molle mounts with Klick fast.	\$20.00 each	Total \$1,200.00
14. <u>70</u> Panasonic I-Pro BWC charging docks (take home).	\$138.00 each	Total \$9,660.00
15. 3 I-Pro 1D Pro service	\$2,559.00 each	Total \$7,677.00
16. <u>70</u> Panasonic 65W AC power adapters	\$59.00 each	Total \$4,130.00

Total purchase price **\$211,246.58**. This requested bundle would provide one hundred and twenty (120) body worn Panasonic Arbitrator cameras for use in field services and security services.

Project # 24-2 Hand Held FLIR Camera

Background: Forward Looking Infra-Red (FLIR) is a night vision technology that recognizes heat sources that enable users to view humans and animals in dark or "no-light" settings. CCSO has two patrol teams that work a "night" shift.

Justification: Currently we do not issue FLIR or other night vision equipment to our night shift patrol teams. This proposal is to purchase two FLIR devices, one for each night patrol team. This equipment will enable the deputies assigned to night shift to have access to a critical piece of equipment to locate hidden threats in the dark.

Cost: \$ The cost for a hand-held Teledyne FLIR LSX is \$2,599.00 each for a total of \$5,198.00

Time Frame: 2024



Project # 24-3 Pistol Project

Background: In FY2023 we purchased 120 Glock 17 MOS pistols to transition the detention staff over to the same platform field services is using. This year we need to purchase holsters that will accommodate the new pistol with the light and optic.

Justification: With purchasing the optics and lights for the pistols, the pistols will no longer fit in the holsters they currently have. The use of a miniature red dot sight or MRDS, on a pistol has shown to improve accuracy in a wide range of shooters. Lights on the pistols are also essential. The idea of having the same standard issue pistol across the board will help with training. If a deputy transfers from the detention center to patrol, they will keep the weapon they have and not have to learn a new system. It also simplifies ordering if everyone has the same equipment.

Cost: The cost for each new Safariland 6390RDS holster is \$135.29. We would need 125 right hand and 11 left hand holsters. This would bring the cost for the holsters to \$18,399.44. However, we are in the process of trading in the old patrol rifles to reduce the cost by \$15,625 for a balance of \$2,774.44. This order also had 11 Streamlight TRL1-HL lights attached for a cost of \$15,18.00. The total balance on this would be \$4,292.44

The cost for the Holosun SCS MOS MRDS optic is \$291.00 each. We would need 157 optics for a total of \$45,687.00. The cost for the Streamlight TRL1-HL light is \$145.00 each. We would need 115 lights for a total of \$16,675.00. Total cost of these items is \$62,362. However, we are trading in the old pistols that we replaced last year. The credit for these pistols is approximately \$38,200. This would reduce the cost to complete this project to \$24,362.

Total Cost: \$28,654

Time Frame: 2024



Project # 24-4 Wrap for patrol

Background: CCSO does not have the proper equipment to restrain a combative subject, other than a hobble.

Justification: CCSO patrol deputies need the WRAP to help control violent or resisting subjects in a way that safeguards both the subject and the Deputy. This method is preferred over the old "hobbles" we are using. With the hobbles, often times the subject ends up laying on their stomach. This can cause positional asphyxia. There have been several documented in custody deaths from positional asphyxia over the years. With the WRAP, the subject is in a seated position which helps with oxygen recovery and reduces the chance for positional asphyxia.

The Canyon County Detention Center currently uses the WRAP to control inmates in the detention center. This has proven to be very effective in immobilizing the inmate and reducing injuries.

Recommend to purchase one WRAP per team.

Cost: The cost for each WRAP is \$1,500.00. This would be a total cost of \$6,000

Fiscal year: 2024



Project 24-5: Patrol Drones (4)

Background: The evolution of drone technology has resulted in this equipment being increasingly valuable in many law enforcement functions. Drones can be used to search large areas for missing persons or children, to search for dangerous fugitives, in search and rescue operations, in approved surveillance operations, and other applications. There is a significant officer safety benefit to the use of this technology in many situations, particularly at night.

Justification: Currently we do not have any drones in the field with Patrol. CCSO has taken the step to get several of our patrol deputies certified as drone pilots, and this project is to propose one drone per patrol team. This equipment would benefit the citizens of Canyon County in many situations, and would substantially increase deputy safety during dangerous outdoor circumstances.

Cost: \$7,441 per drone; \$29,764 for all four

Time Frame: 2024

Appendices: None



PROJECT 24-6 - Purchase Latent Print Imaging Processing System

Background: The laboratory's current imaging processing system software (Imaquest) was originally purchased in 2011 and upgraded in 2015.

Justification: Finger print evidence remains a significant aid in the identification or elimination of persons in investigative police work. Like DNA, the technology used to utilize finger print evidence continues to advance. The current workload within the forensic laboratory is 80% fingerprint processing.

COST: \$82,720.76

Fiscal Year:

Appendices: Sales Quotation

Background

The laboratory's current imaging processing system software (Imaquest) was originally purchased in 2011 and upgraded in 2015. In 2021 the system began to suffer from severe performance issues specifically with the computer's ability to handle the tasks of digital enhancement. A hardware upgrade was undertaken in 2021 by adding additional memory to improve performance; however, the upgrade did little improve the situation. The current processing time for a single image is in excess of 1.5 hours, considering most finger print comparisons require the processing of multiple images (5 or more), this process becomes a significant impediment to efficiency. Expected processing time should not be any more than 10-15 minutes for each image. The current system is also limited to handling certain picture formats with the result of additional processing time to upload to the states MBIS database. Mideo provides an easy integration with both the local AFIX as well as the state MBIS databases. The end results of implementation will reduce the process times to under 10 minutes, saving hours per case worked.

Justification

Finger print evidence remains a significant aid in the identification or elimination of persons in investigative police work. Like DNA, the technology used to utilize finger print evidence continues to advance. Similarly, legal challenges to forensic science disciplines, the techniques thereby employed and transparency concerns require agencies to stay current with the technology. The current workload within the forensic laboratory is 80% fingerprint processing and comparisons and many times this work is in conjunction with forensic service crime scene response to major scenes. This work product is then used to aid in the identification of subjects by uploading digitally imaged latent print evidence into the AFIX database and to the State of Idaho MBIS database.

A significant portion of latent finger print comparison work requires the capture of the latent print(s) photographically and then enhancing those images for sizing, contrast and clarity. This

is carried out through the use of high-resolution images and computer software that utilizes a significant amount of computing power. We are continually challenged to find ways to increase our efficiency without compromising the integrity, reliability or accuracy of our work or the evidence. Scientific challenges are always a consideration for court presentation and today's standards expect and require a thorough audit trail for the manipulation of (digital) evidence. Forensic practitioners are expected, by the courts, to meet scientific admissibility rules of Daubert or Kelly-Frye without exception. The Mideo system provides a robust and seamless integrated meta-data tracking and audit trail which meets both accreditation standards as well as best practices for evidence integrity and transparency in image enhancement.

Cost

We are requesting to purchase the MIDEO Systems Suite. This Suite includes the MIDEO Latentworks e-Latent Case Management Software, Server Modules, Licensing, ADOBE Plug-In, Latent Proficiency Module, MIDEO Implementation Assessment and Basic Report Configuration and Installation and Training for a total cost of for \$69,333. We are also requesting to purchase the MIDEO Biometric Connect Module with an additional cost of \$13,387.76. This purchase includes a free one (1) year warranty and two years of support. Beginning FY27 there would be an annual support cost of \$13,029.12.

Time Frame

FY 2024



MIDEO SYSTEMS INC.
1651 N. Collins Blvd., Suite 250
Richardson, TX 75080
Phone: 800-258-1066

Sales Quotation

Quote To:

John Sanchez
Canyon County Sheriff's Office Crime Laboratory
1014 Belmont Street
Caldwell, Idaho 83605

Sales Representative: Travis Larkin

Quote Number: E9193

Date: 4/25/2024

Quote Expires on: 7/24/2024

Part Number	Description	Price	Qty	Extend
	MIDEO LATENTWORKS e-LATENT CASE MANAGEMENT WORKFLOW SOFTWARE			
	SERVER LICENSE			
CSW-STR-MSL	MIDEO MASTER ADMIN/SERVER LICENSE Includes: Case Image/Asset Database Management Module Administrative Diagnostics Utility Software Administrative User Profile Configuration Module Administrative Security Configuration Module Case Image/Asset Archive Module Historical Image/Asset Record Module with Audit Trail Fieldset Creation Module Binary Object Check-in/Check-out Module Report Template Creation Module Service Request and Notification Module Active Directory Interface Minimum Level Server Requirements Database server / File server - This server can be shared by the database and the file server Win Server 2012 R2 Standard (or Newer) with Appropriate Number of Client Licenses SQL Server 2017 (or Newer) with Appropriate Number of Client Licenses CPU - 4 core 16GB RAM Storage should be calculated by IT Department *Mideo recommends using a virtual machine and monitoring performance in order to make modifications (as needed) to the configuration	\$18,299.85	1	\$18,299.85
MSCW-LTWSM-L 2	LATENTWORKS e-LATENT CASE MANAGEMENT (LCM) SERVER MODULE **Requires Mideo Master Admin/Server License**	\$14,638.66	1	\$14,638.66

Part Number	Description	Price	Qty	Extend
	<p>Includes: Comparative Analysis and Verification Modules Latent Print Specific Fieldset Models ACE-V Documentation Fieldsets Pre-Built Latent Report Templates (Comparison, Summary, etc.) Export to AFIS Latent Proficiency Module</p> <p>USER LICENSES</p>			
MSCW-LEUSR	<p>LATENT EXAMINER USER LICENSE</p> <p>Includes: Single or Batch Image/Asset Download Module Visual Directory Data Image Information Input Module MetaData Display Viewer and Report Image/Asset History Viewer Image/Asset Export Module (By Image Type) Defineable Database Search Basic Annotation and Markup Tools Basic Image Enhancement Tools (Brightness/Contrast) GYRO Tools Overlay Grouping Tools Latent Orientation Tools Third Party Device Interface Custom Agency Report Generation Output Module Multi-Image Workspace Display 1:1 Image Calibration Module Comparative Analysis Image Enhancement Filtering Toolbox (Levels, Invert, Auto Level, etc.) Charting Tools with Image Fine Positioning/Anchoring (Labeling, Point, Point-to-Point, Multi-Point, Free Hand) Module Image Sync-Lock Measurement Tools Print Mask Report Module Incremental Pixel-by-Pixel Image Rotation/Movement</p> <p>Minimum Level Computer Requirements Operating System: Windows 10 or 11 Processor: 2.0Ghz or greater RAM: 4GB minimum (8GB Recommended) Hard Disk: 200 MB available</p>	\$4,875.49	3	\$14,626.47
MSCW-BD-UL	<p>BASIC DOCUMENTATION USER LICENSE FOR EVIDENCE PROCESSING</p> <p>Includes: Single or Batch Image/Asset Download Module Visual Directory Data Image Information Input Module MetaData Display Viewer and Report Image/Asset History Viewer Image/Asset Export Module (By Image Type)</p>	\$2,434.69	2	\$4,869.38

Part Number	Description	Price	Qty	Extend
	Defineable Database Search Basic Annotation and Markup Tools Basic Image Enhancement Tools (Brightness/Contrast) TWAIN Interface Minimum Level Computer Requirements Operating System: Windows 10 or 11 Processor: 2.0Ghz or greater RAM: 4GB Hard Disk: 100 MB available ADOBE PHOTOSHOP PLUG-IN			
MSC-PHI-001	ADOBE PHOTOSHOP CS6/CC INTERFACE (**Requires Adobe Photoshop CS6 or CC for operation. Does not include Adobe Photoshop License**)	\$580.14	5	\$2,900.70
	INTERNAL LATENT PROFICIENCY MODULE			
MSC-LW-LPM	INTERNAL LATENT PROFICIENCY MODULE: Includes: Ground Truth Latent Print and Ten Print images and testing software for proficiency comparisons Administrator Assignment and Latent Examiner Management Messaging Module Full Auditing and Reporting of Latent Examiner's Work (Each Examiner Managed Independently)	N/C	1	\$0.00
	MIDEO IMPLEMENTATION ASSESSMENT SERVICES			
MST-001-CNTL	MIDEO IMPLEMENTATION ASSESSMENT AND BASIC REPORT CONFIGURATION SERVICES (PER DAY) Includes: Implementation Planning and Workflow Fieldset Design Selection Basic Workflow Fieldset Design Modification Basic Modification to Standard LatentWorks Report Templates ***Additional days may be purchased based on a Statement of Work which will be defined between Mideo and the customer.***	\$2,434.69	2	\$4,869.38
	WARRANTY			
MSM-003-WRNT	1 YEAR WARRANTY ***INCLUDED FOR FREE*** Warranty period begins on the date that the purchase order is received by Mideo Phone and Internet-based Remote Support Monday	\$0.00	0	\$0.00

Part Number	Description	Price	Qty	Extend
	through Friday 9am to 5pm (Central Time)			
	INSTALLATION/TRAINING			
MST-001-RMT	REMOTE INSTALLATION AND ADMIN TRAINING (UP TO 2 DAYS)	\$1,824.49	1	\$1,824.49
MST-001-MCT	REMOTE USER TRAINING (PER DAY)	\$2,434.69	3	\$7,304.07
	EXTENDED MAINTENANCE COSTS WILL BE \$10,836.80 (18%) PER YEAR			
	EXTENDED MAINTENANCE COST IS NOT INCLUDED IN EXISTING PROPOSAL BUT CAN BE PROVIDED UPON REQUEST*			
	<i>PAYMENT by CREDIT CARD, a 3.5% Processing Fee will be added to the total!!</i>			

TERMS: NET 30 DAYS
DELIVERY: 30 DAYS A.R.O.
SHIPPING CHARGES: N/A
Federal ID#: 330321960

Subtotal	\$69,333.00
Tax	
TOTAL	\$69,333.00

Thank you for your interest in Mideo Systems.
 SEE QUOTE EXPIRATION DATE ABOVE



MIDEO SYSTEMS INC.
1651 N. Collins Blvd., Suite 250
Richardson, TX 75080
Phone: 800-258-1066

Sales Quotation

Quote To:

John Sanchez
Canyon County Sheriff's Office Crime Laboratory
1014 Belmont Street
Caldwell, Idaho 83605

Sales Representative: Travis Larkin

Quote Number: E9194

Date: 4/26/2024

Quote Expires on: 7/25/2024

Part Number	Description	Price	Qty	Extend
	MIDEO BIOMETRIC CONNECT (EBTS/EFTS) NIST CONVERSION MODULE			
MSC-BMC-SM	BIOMETRIC CONNECT (EBTS/EFTS) NIST FILE STARTUP PACKAGE Includes: BioMetric Connect Server License Module Standard Tenprint (EBTS/EFTS) Templates Custom Configuration of Localized Tenprint Templates (Maximum of 4)	\$4,875.49	1	\$4,875.49
MSC-BMC-CV	BIOMETRIC CONNECT TENPRINT (EBTS/EFTS) NIST FILE CONVERSION CLIENT WORKSTATION LICENSE Includes: Allows users to convert (EBTS/EFTS) NIST records Multi level (EBTS/EFTS) NIST reader with locking tools Interface to auto populate demographics to data fields High quality printing of (EBTS/EFTS) NIST records ***Requires BioMetric Connect Server License*** Minimum Level Computer Requirements Operating System: Windows 10 Processor: 2.0Ghz or greater RAM: 4 GB Hard Disk: 50 MB INSTALLATION AND TRAINING	\$2,434.69	3	\$7,304.07
MST-002-RIA	REMOTE INSTALLATION	\$604.10	1	\$604.10
MST-001-RMT	REMOTE USER TRAINING (PER DAY)	\$604.10	1	\$604.10
	WARRANTY			

Part Number	Description	Price	Qty	Extend
MSM-003-WRNT	<p>1 YEAR WARRANTY ***INCLUDED FOR FREE*** Warranty period begins on the date that the purchase order is received by Mideo Phone and Internet-based Remote Support Monday through Friday 9am to 5pm (Central Time)</p> <p>EXTENDED MAINTENANCE COSTS WILL BE \$2,192.32 (18%) PER YEAR</p> <p>***EXTENDED MAINTENANCE COST IS NOT INCLUDED IN EXISTING PROPOSAL BUT CAN BE PROVIDED UPON REQUEST****</p> <p><i>PAYMENT by CREDIT CARD, a 3.5% Processing Fee will be added to the total</i></p>	\$0.00	0	\$0.00

TERMS: NET 30 DAYS
 DELIVERY: 30 DAYS A.R.O.
 SHIPPING CHARGES: N/A
 Federal ID#: 330321960

Subtotal \$13,387.76
 Tax
 TOTAL \$13,387.76

Thank you for your interest in Mideo Systems.
 SEE QUOTE EXPIRATION DATE ABOVE