

# ICOP

A SAFETY VISION COMPANY



# MOBILE VIDEO SOLUTIONS

OFFICER SAFETY • QUALITY • RELIABILITY

# ICOP MOBILE DVRS

## ICOP MODEL 20/20<sup>®</sup>-W & ICOP 20/20 VISION<sup>™</sup>



**ICOP DVRs** REPRESENT THE HIGHEST **QUALITY** AND MOST **RELIABLE** VIDEO RECORDING SYSTEMS IN THE INDUSTRY, HELPING ENSURE **OFFICER SAFETY** WHILE PROTECTING THE COMMUNITIES THEY SERVE.

- Compact, advanced low light 120x zoom camera - .25 lux (color); .0004 lux (b/w)
- ICOP EXTREME<sup>™</sup> Wireless microphone with a range of over 2,000 feet
- Supports high-speed 802.11n wireless uploads, Ethernet uploads, and removable media uploads to integrate into your department's SOPs
- ICOP LIVE<sup>™</sup> streams high-quality live video to multiple authorized viewers simultaneously for real-time situational awareness
- Fast system startup time (under 15 seconds)
- High quality, unimpeachable video stands up in court
- Multiple mounting options, including unique officer-safe dash mount
- Operates up to 3 cameras (records 2 simultaneously)
- Superior operating temperature range (-22°F to 176°F)
- Integrates with General Dynamics ITRONIX Mil-Spec Laptop MDTs and other vehicle-mounted PCs
- Powerful ICOP video management software options
- ICOP systems include all components required for essential operation (GPS, front facing camera, interior camera, internal mic, wireless mic, and video storage)

### SYSTEM FEATURES

<b>Recording Media</b>	Vehicle-grade hard drive or solid state drive module (up to 128 GB)
<b>Configurability</b>	Multiple passwords and user configurations Ability to tag events with customizable codes Easy to use interface, data entry and user and supervisor menus Industry-leading Garmin GPS AM/FM radio (18 Radio Presets); XM or HD radio options Officer-safe design
<b>Resolution</b>	(720 x 480) D1, (640x480) VGA or (352x240) CIF Operates up to 3 cameras and up to 3 audio sources (records 2 cameras simultaneously)
<b>Record Triggers</b>	Multiple event triggers, including emergency lights or siren activation, manual record switch, activating the audio transmitter(s), vehicle speed, and up to 3 auxiliary inputs Integrates with most radar systems
<b>Interior Camera</b>	Infrared camera included with system

### AUDIO RECORDING

<b>Distance</b>	Over 2,000 feet (line of sight)
<b>Design</b>	Compact, rugged, includes a rechargeable battery, internal microphone, connector for external mic, on/off/standby switch, transmit/standby switch, and status LEDs
<b>Controls</b>	Initiate recording, mute, LED indicators, distress "HELP" button
<b>Sync</b>	Auto-Sync and Auto-Standby
<b>Antennas</b>	Internal (on wireless mic), external (on base/charger)
<b>Battery Life</b>	8.5 hrs operation, 135 hrs standby
<b>Battery</b>	NiMH 3.7V 550mAh

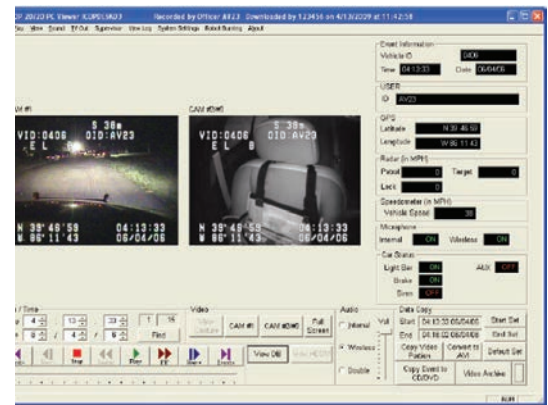
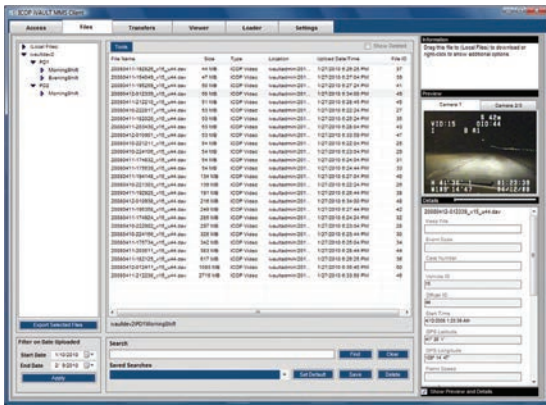
<b>Frequency Range</b>	900 MHz FHSS (902-928 MHz)
<b>Channels</b>	Over 24,000
<b>AC Charging Bay</b>	Smart Charger base with overcharge protection, charges, and syncs functions for up to 2 mics
<b>Recording</b>	Record 3 audio sources

### FRONT FACING CAMERA

<b>Zoom Range</b>	10x Optical, 120x (with digital)
<b>Low Light Capabilities</b>	.25 lux (color); .0004 lux (b/w); resists night blooming, smearing from light sources, burn in, geometric distortion, magnetic fields, and damage from vibration and shock
<b>Auto Switching</b>	Auto switching day/night mode
<b>Wide-angle Lens</b>	5.4-52 degrees
<b>Auto Adjustments</b>	Focus, white balance, backlight compensation
<b>Dimensions, Weight</b>	2.1" x 2.0" x 3.425", 15 oz
<b>Lens Attachments</b>	Standard 37mm lens filters, 2x zoom, wide angle
<b>Driver's License Zoom</b>	Allows an officer to quickly zoom in to a driver's license or other physical evidence held in front of the camera at the touch of a button, capture a high quality image and zoom back out automatically
<b>Control</b>	DVR control panel and secondary control buttons on the back of the camera for zoom in, zoom out, driver's license, auto-zoom, auto/manual focus, covert mode
<b>Officer Safety</b>	Mounts adjacent to the rearview mirror, above AS-1 line, does not interfere with the vehicle passive restraint system (air bags)
<b>Indicators</b>	Visual indication of the video system's record/microphone status - LED built into the front of the camera's housing indicates status of recording and audio reception from the wireless transmitter

# VIDEO MANAGEMENT

## ADVANCED SOFTWARE SOLUTIONS



### ICOP iVAULT MMS™

ICOP iVAULT Media Management System (MMS) is an advanced software evidence management system for law enforcement. iVAULT MMS facilitates secure storage, managing, indexing, organizing, retrieval, and distribution of digital data, including video evidence captured by ICOP Model 20/20-W and ICOP 20/20 VISION systems.

### ICOP DVMS™

ICOP DVMS provides basic, easy-to-use video management functionality, including easy search, retrieval and archival functions.

FEATURE	ICOP iVAULT	ICOP DVMS
Load video from ICOP DVR solid state drive module or hard drive, supports wireless uploads		
Securely play, manage and store proprietary (unalterable) ICOP video files		
Copy critical portion of video		
Selectively display one or two audio or video track(s) during playback, with metadata		
Easily search ICOP files by metadata		
Configurable retention period where all video is maintained online and available for potential evidence review		
Enlarge video for full-resolution viewing		
Display files according to a specific date range		
Archive (burn) Blu-Ray, 8.5GB DVD-DL disks and to thumb drives (in addition to standard 4.7 GB DVD) DVMS burns only to CD/DVD		<b>CD/DVD ONLY</b>
Securely manage users and permissions with Microsoft® Active Directory		—
Support multiple file formats (for management of related files)		—
Provide user authentication through username and password validation, utilizes Windows log-in credentials as means of user authentication and associated access rights		—
Facilitate efficient creation of “court packages” on disc or thumb drive including all stored case evidence; automatically span large files		—
Store all electronic media associated with a case file, e.g., reports and pictures in addition to video files		—

# WIRELESS

## VIDEO STREAMING

### REAL-TIME SITUATIONAL AWARENESS

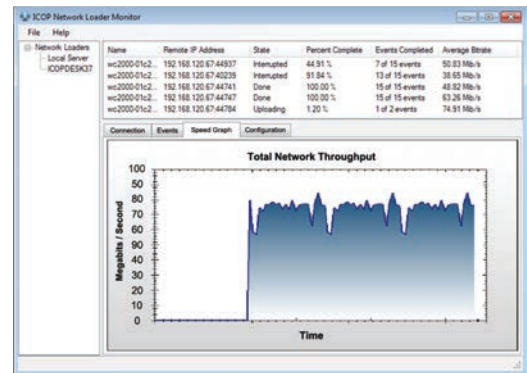


- Stream live video and audio to multiple viewers simultaneously
- View ICOP LIVE from any Internet-enabled Windows device (no need to download additional software)
- Video streams can be shared locally, across agencies, nationwide, and even worldwide, as authorized
- Real-time situational awareness gives remote command staff proactive decision-making capability to optimize the outcome in crisis situations
- ICOP holds the patent for streaming live mobile video to first responders

## HIGH-SPEED UPLOADS

### FAST, SECURE 802.11N WIRELESS

- Wireless throughput up to 70 Mbps\* (actual)
- Secure WPA2-AES encryption
- Automatically resumes an upload exactly where it left off
- Integrates easily in various network topologies
- Detailed diagnostic details and real-time throughput graphs



\*NOTE: When comparing wireless data upload rates, various factors can affect actual throughput, including network traffic, wireless interference, and additional vehicles.

In addition to high performance wireless, ICOP DVRs also support uploads via removable media (HD or SS Drive Modules) or Ethernet.



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