

ICOP™ PRO

IN-CAR VIDEO AND DASH CAMERA SOLUTION



Power Control Monitor (PCM)



ICOP™ PRO DVR

SPECIFICATIONS

Audio/Video Inputs	4 channels (audio plus video)
Storage	1 × 64 GB SD card (128 GB max)
Form Factor	1-Din
Recording	Continuous, Background, or Event-only recording
Mirror Recording	Mirror recording (with wrapping) to secondary 64 GB SD card (128 GB max)
Resolution	720 × 480 (D1) @ 1-30fps
Compression	H.264
Pre-Event Recording	up to 15 minutes
Post-Event Recording	up to 15 minutes
On-Screen Display	Time, date, user ID, DVR status (REC, STOP, EVENT, ERROR, OFFLOAD, VLOSS), network connection status, cell modem connection status, GPS signal
Wi-Fi	802.11N SISO
Sensor I/O	8 in, 2 out (programmable function for DVR activation, peripheral interface, and external power relay control)
Additional I/O	2 × USB (1 front, 1 rear), 2 × RS232, 2 × RS485, GPS, 10/100 LAN
Operating Temperature	-4°F to approx. 131°F
Dimensions (L × W × H)	6.62 in × 7.40 in × 1.96 in

Features

- Compatible with MCAM2 and EXTREME™ wireless mic
- Secure user and administrator login passwords
- RAM® mount for PCM included
- Advanced Video Compression and Quality

Power Control Monitor

The new Power Control Monitor (PCM), either supplementing or replacing a mobile data terminal (MDT), integrates a 4.3" screen, speaker, and playback controls into a single unit, placing all of the ICOP PRO controls conveniently near the driver's seat. Officers can start and review recordings, and the new "mark" feature allows specific critical events to be flagged to ease search and relocation. On-screen menus make configuration quick and easy.

Digital Video Recorder

The advanced digital video recorder (DVR) is easily installed into any console with an available 1-DIN slot, or alternatively, can be remotely mounted elsewhere in the vehicle. The DVR includes its own illuminated status display that provides instant health status. A convenient USB port allows users to attach a USB flash drive and quickly download important video clips, update firmware, and upload configurations.

Mirror Recording

The ICOP PRO DVR utilizes an innovative mirror recording feature to back up captured video and reduce liability. Mirror recording duplicates recorded data to an SD card. When the primary storage device is filled, the newest files overwrite the oldest files, but events are never overwritten.

Pulling Video

Video may be pulled from the ICOP PRO in three methods:

- 1) Download to a USB flash drive from USB port on the DVR's face
- 2) Pull the SD memory card
- 3) Wirelessly upload with built-in wireless or external wireless



MCAM2 Windshield Camera

The MCAM2 provides advanced zoom capabilities and sharp picture quality utilizing a Sony® 1/3" Super HAD II image sensor. The MCAM2 can focus on a vehicle's license plate up to 25 feet away as well as a driver's license placed a few inches away. A forward-mounting LED provides DVR recording status from outside the vehicle.



EXTREME™ Wireless Mic

The EXTREME wireless mic is worn on the officer's person when stepping out of the vehicle, ensuring audio is recorded up to 2000 feet away (line of sight) from the included base station. Two EXTREME mics can be recharged at the same time. LEDs and audible beeps provide DVR recording and battery status.



SV-CFRC Cabin Camera

The SV-CFRC uses a 1/3" Sony CCD image sensor to record video from inside the vehicle's cabin. A 145° viewing angle captures a wide perspective, and infrared LEDs provides clear images in low light.

SPECIFICATIONS

ICOP™ MCAM2

Image Sensor	1/3 in Sony® Super HAD II CCD
Lens	Horizontal (5.4°-52°)
Focal Length	5.1mm (wide) 51 mm (tele)
Minimum Illumination	.25 lux (color) .0004 lux (b&w)
Signal-to-Noise Ratio	<50dB
Zoom	10x optical; 12x digital / ratio of 120:1 (120x total zoom)
Resolution	640 × 480
Controls	Zoom, Auto-zoom, Driver's license, Manual focus, and Covert mode
Auto Adjustments	Focus, white balance and backlight compensation.
Power Requirement	12 VDC
Operating Temperature	32°F to 122°F
Dimensions (L × W × H)	2.0 in × 2.1 in × 3.5 in
Weight	15 oz

SPECIFICATIONS

ICOP™ EXTREME MIC

Distance	Over 2,000 feet (line of sight)
Controls	Initiate recording, mute, LED indicators, distress "HELP" button
Sync	Auto-Sync and Auto-Standby
Antennas	Internal (on wireless mic), external (on base/charger)
Battery Life	8.5 hrs operation, 135 hrs standby
Battery	NiMH 3.7V 550maH
Frequency Range	900 MHz FHSS (902-928 MHz)
Channels	Over 24,000
AC Charging Bay	Smart Charger base with overcharge protection, charges, and syncs functions for up to 2 mics
Recording	Record 3 audio sources
Design	Rechargeable battery, connector for external mic, on/off/standby switch, transmit/standby switch, status LEDs

SPECIFICATIONS

SV-CFRC Cabin Mounted Camera

Image Sensor	1/3 in Sony CCD
Lens	2.5 mm
Angle of View	145°
Lux Rating	0 lux (with IR LED)
Shutter Speed	1/60 ~ 100,000 seconds