



## IN-CAR DIGITAL VIDEO SYSTEM

# MVX1000

You're parked near an intersection typing a report when a vehicle flashes by trying to make the light. Did the driver run the red light? Should you pull the vehicle over?

As in-car video becomes a necessity in law enforcement, you need a way to capture high-quality video that makes life easier for public safety officers in the field and in the command center.

The MVX1000 In-Car Digital Video System is an in-car and backend video capture and management solution that combines high-quality video, reliable ruggedized construction and an intuitive touch-screen interface with next generation mission critical functionality to better protect the public and the officer.

### FEATURES

- Highly rugged MIL-STD-810G certified, IP54-sealed product
- Limited three-year warranty standard on DVR console and front-facing camera
- Optional integrated 802.11n wireless upload within the DVR, including 3x3 MIMO antenna capability

- Unique one-touch Ten-Second Rewind capability allows the officer to immediately see "what just happened" with a single button press
- Intuitive and friendly touchscreen user interface application for system control via in-vehicle computer
- 27X Optical Zoom camera with wide viewing angle and near-zero Lux operation to capture action outside the vehicle day or night
- H.264 video compression to preserve video quality and integrity while minimizing file size
- Add searchable information about up to three citizens and up to three vehicles per incident
- Officers or administrators can add additional bookmarks or report details after incident upload via the MVX1000 Digital Multimedia Management System backend client
- Additional files material to the incident (Word documents, digital camera still images, etc.) may be added to the incident folder for easy access by officers and administrators
- Optional backend capability to construct more complete views of an event by combining fixed video, MVX1000 mobile video and audio, as well as E911 and ASTRO® 25 LMR audio logs, in a single incident folder



### KEY BENEFITS

- Fully rugged, solid-state construction
- Mission-critical user interface
- Ten-Second Rewind
- Advanced backend data management
- Designed and built by Motorola

**PRODUCT SPEC SHEET**  
MVX1000 IN-CAR DIGITAL VIDEO SYSTEM

**MVX1000 DIGITAL VIDEO RECORDER**

Recording Media	Solid State Drive (SSD)
Recording Media Capacity	32 GB or 64 GB (Removable)
Recording Time (Hours)	32 hours (32 GB) / 64 hours (64 GB) at 4CIF 30 fps
Supported Resolutions	4CIF (704 x 480 pixels), CIF (352 x 240 pixels)
Supported Frame Rates	30 /15 / 7.5 fps
Compression	H.264 (MPEG4 Part 10)
Wired Upload	Supported via 1Gbps Ethernet connection
Wireless Upload	Supported via integrated 802.11n wireless modem
3x3 MIMO Wireless Upload	Supported (option)
GPS Module	Trimble, 12-Channel, (SIRF 3)
Record Stop method	REC Button (Hard Key or User Interface)
Pre-Event Record Duration	Up to 180 seconds video and audio or video only (agency configurable)
Post-Event Record Duration	Up to 180 seconds video and audio or video only (agency configurable)
Video Inputs	Up to four 4CIF cameras recorded simultaneously
Audio Inputs	Up to four microphones recorded simultaneously
External Record Triggers	Up to eight supported, including Lightbar, Siren, Vehicle Brakes, Shotgun Lock, and others
Hard Key Controls	REC, Bookmark, Power (Power protected by Key Lock)
Control Panel Key Lock	Disk removal is not possible while panel is locked
Physical Size	10.4 x 7.1 x 3.3 in (265 x 181 x 83 mm)
Weight	8.2 lbs (3.7 kg)
Radar Interface	Yes
USB 2.0 port	Yes
Ethernet port	2 x 1Gbps
Input Voltage	9 – 33 V DC (Standard operation 11-33 V DC)
Power Consumption	36 W (3 A at 12 V)
Storage Temp	-22°F to 167°F (-30°C to 75°C)
Operating Temp	-4°F to 140°F (-20°C to 60°C)
Sealing	IP54
Environmental Standards	Certified to DoD MIL-STD-810G environmental testing, including temperature, shock, rain, humidity, salt, fog, sand and dust, acceleration, vibration, altitude, and many others
Standard Warranty	3 year limited warranty

**FRONT CAMERA**

Signal System	NTSC
Zoom Range	324x (27x Optical; 12x Digital)
Low Light Capability	0.1 Lux (B/W) ; 0.6 Lux (color)
Maximum Field of View	63.3 degrees
Auto Adjustments	White Balance; Focus; Day/Night
Weight	15.9 oz. (450 g)
Dimensions	2.2 x 2.4 x 3.9 in (56 x 61 x 99 mm)
Standard Warranty	3 year limited warranty

**BACKSEAT CAMERA**

Low Light Capability	0 Lux (B/W with IR LED on); 1.0 Lux (color)
Weight	3.0 oz. (85 g)
Dimensions	2.9 x 1.5 x 1.4 in (74 x 38 x 36 mm)
Standard Warranty	1 year limited warranty

**WIRELESS MICROPHONE AND RECEIVER**

Range	1300 feet (396 m) Line Of Sight
Frequency	2.4 GHz FHSS (2,400 - 2,483 MHz)
Microphone	Built-in or auxiliary lapel mic
Controls	Power; Mode; Mute; REC Start
Antenna	Internal
Battery Type and Size	1800 mAh Li-Ion (3.7V DC)
Battery Life	Up to 12 hours talk time
Microphone Dimensions	2.1 x 1.1 x 3.0 in (54 x 30 x 73 mm)
Accessories	Holster
AC Desktop Charger	Available
In-Vehicle Receiver Frequency	2.4 GHz FHSS (2,400 - 2,483 MHz)
IV Receiver Dimensions	3.5 x 2.2 x 2.7 in (90 x 57 x 68 mm)
Standard Warranty	1 year limited warranty

**LCD CONTROL HEAD SPECIFICATIONS**

Size	6.3 x 3.5 x 1.0 in (160 x 90 x 26 mm)
Weight	13.7 oz (390 g)
Sealing	IP54
Environmental Standards	Certified to DoD MIL-STD-810G environmental testing, including temperature, shock, rain, humidity, salt, fog, sand and dust, acceleration, vibration, altitude, and many others
Input Voltage	9V DC
Power Consumption	300 mA
Display Type	5" Diagonal LCD WVGA, touch screen
Resolution	800 x 480 pixels
Operating Temperature	-22°F to 140°F (-30°C to 60°C)

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