



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



MVX1000

- Fully rugged, solid-state construction
- Mission-critical user interface
- Ten-Second Rewind
- Advanced back end 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 576 pixels), CIF (352 x 288 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 three 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" D x 7.1" W x 3.3" H (26.5 cm D x 18.1 cm W x 8.3 cm H) |
| 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 131°F (-20°C to 55°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

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|-----------------------|---|
| 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" W x 2.4" H x 3.9" D (56 mm W x 61 mm H x 99 mm D) |
| Standard Warranty | 3 year limited warranty |

BACKSEAT CAMERA

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|----------------------|---|
| 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" (74 mm x 38 mm x 36 mm) |
| Standard Warranty | 1 year limited warranty |

WIRELESS MICROPHONE AND RECEIVER

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|-------------------------------|---|
| Range | 1000 feet (300 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" L x 1.1" W x 3.0" H (54 mm L x 30 mm W x 73 mm H) |
| Accessories | Holster |
| AC Desktop Charger | Available |
| In-Vehicle Receiver Frequency | 2.4 GHz FHSS (2,400 - 2,483 MHz) |
| IV Receiver Dimensions | 3.5" L x 2.2" W x 2.7" H (90 mm L x 57 mm W x 68 mm H) |
| Standard Warranty | 1 year limited warranty |

Motorola, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A. motorola.com/MVX1000

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G3-33-101 (1012)

