mobileView

3000 Series DVR

Simple, rugged, compact mobile
DVR with big-system functionality

OVERVIEW

The MobileView™ 3000 Series Digital Video Recorder is the latest addition to the MobileView line of high-quality, onboard digital video recording systems. Designed for transit vehicles requiring eight cameras or less, this small, easy-to-use DVR includes standard features that are normally found only in more complex systems: real time capture (30 fps simultaneously across all channels) at picture resolutions up to 4CIF (704x480), dual-stream recording for low-bandwidth video playback, integrated 802.11b/g wireless and 12 digital inputs.

The MobileView 3000 Series DVR is designed with installation efficiency in mind. Quick connect wire harnesses with standardized connectors streamline installation. A Web browser interface simplifies configuration without the use of additional software. The removable media caddy allows the user to swap caddies for remote video viewing and retrieval through a docking station.

Loaded with advanced and flexible features, the MobileView 3000 Series DVR is a highly-capable mobile video and audio recording device. It uses the latest H.264 video compression methods, a tamper-evident digital watermark, and advanced audio capture techniques to ensure that recorded data is an accurate reproduction of real-time events.

STANDARD FEATURES

- 4 or 8 Channels models
- 120/240 fps (240/480 ips)
- H.264 encoding
- Dual video streams with independent settings
- 1TB swappable media caddy
- Resolution configurable by channel (QCIF,CIF,2CIF,4CIF)
- 2 Audio channels
- 12 Digital inputs
- 2 Relay outputs
- Integrated 802.11b/g wireless client
- 6 Status LED's on front of DVR
- General event processor
- Standardized wiring harness
- Web browser-based programming and configuration
- J1455 compliant for shock and vibration
- GPS option
- Programmable MUX output
- Front and rear ethernet ports

3000 Series DVR

North America	Asia	Australia	Europe	Latin America
T 855-286-8889	T 852-2907-8108	T 61-3-9239-1200	T 32-2-725-11-20	T 561-998-6114

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Specifications

Video Surveillance

Linux OS	Stable OS Platform, increased compatibility with peripheral devices
Camera Channels	4 or 8 Channel models (NTSC/PAL Selectable)
Camera Frame Rate	120/240 frames (240/480 images) per second, max.
Video Streams	Dual streams per channel (Main & Alternate)
Recording Resolution	**Main**: QCIF, CIF, 2CIF, 4CIF, **Alternate:** QCIF and CIF
Compression Levels	H.264 compression methods. Configurable individually per input
Video Outputs	1 Multiplex (1UP, 4UP, 6UP*, 8UP*) *6 & 8 on 8CH only
Audio Inputs	2 Mono
Audio Outputs	1 Mono
Ethernet Ports	Two, 10/100 Mbps
Geo-Location	Enabled by GPS accessory module
Clock & Synchronization	Automatic via GPS or Network time server
Storage Solution	Interchangeable media caddy, (1TB minimum capacity)
Video Download	Download using remote software client or web server
Field Upgrade	Upgrade using remote software client or web server

Monitored Inputs & Outputs

Digital Inputs	Twelve programmable for Open or Closed operation
Digital Outputs	Two for system status monitoring
Relay Outputs	Two Form C, Dry Contact
Delayed Startup	0-120 seconds
Delayed Shutdown	0-99 Minutes

Networking

Standard Protocols	DHCP, NTP, IPv4
Wireless	802.11 b/g Wireless Client
Wireless Security	WEP, WPA 1 & 2 Personal Mode, AES

Electrical & Environmental

Input Power	Vehicle based 12V or 24V DC Nominal (9-32V DC)
Power Consumption	75 Watt Operating, 5W Standby
Output Power	12VDC, 4 Amp Max Load
Operating Shock	Tested per SAE-J1455 section 4.11.3.4
Operating Vibration	Tested per SAE-J1455 section 4.10.4.2

Ambient Specifications

Operation Temperature	14°F to 122°F (-10°C to 50 °C)
Storage Temperature	-4°F to 158°F (-20°C to 70 °C)

Mechanical

Unit Dimensions (L x D x H)	14.75 x 10.5 x 4.0 in. without rear panel shield 14.75 x 13.25 x 4.0 in. with rear panel shield
Caddy Removal	8" space in front of DVR
IP Rating	IP43 with wire shield
Unit Weight	13 lbs.

Regulatory

FCC	Part 15, Class A

Ordering Information

Digital Video Recorder Kits

MVH-4350-04-K1	MobileView™ 3004 4 CH DVR with mounting plates, J1-J8 harnesses and harness connection kit (without HDD kit)
MVH-4350-08-K1	MobileView 3008 8 CH DVR with mounting plates, J1-J8 harnesses and harness connection kit (without HDD kit)
MVH-1002-K3-10	MobileView 3000, 1TB Flex Drive Kit (Caddy and 1TB 3.5 inch SATA HDD)

DVR Accessories

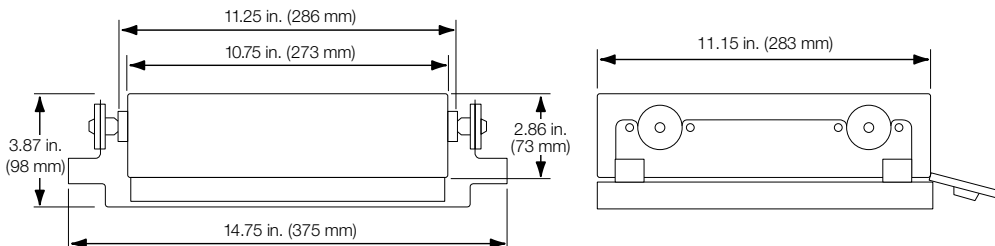|	
MVH-4004-00-00	Docking Station with 2 Keys
MVH-3301-M0-04	GPS Module and Antenna, 15' Cable
MVH-7100-00-08	Acceleration and Impact Sensor

DVR Components

MVH-4350-04-01	MobileView 3004 4 CH, DVR only
MVH-4350-08-01	MobileView 3008 8 CH, DVR only
MVH-4002A300	Rear Panel Shield
MVH-4002A304	Replacement Vibration Mounts (new rubber and brackets), 1 pair
MVH-4002A310	Mounting Plate with Vibration Mounts (includes MVH-4002A304)
MVH-1002-01-00	Flex Drive Caddy, 2 Keys, without HDD
MVH-1001-03-10	SATA HDD, 1TB, 3.5 inch, without Caddy
MVH-1002-KY-00	Key set (2 each) for DVR door and HDD Caddy

DVR Cable Harness

MVH-4039-00-00	Harness Connection Kit
MVH-4037-J1-00	Power Harness, 15 in. cable
MVH-4037-J2-00	Audio and Status Harness, 15 in. cable
MVH-4037-J3-00	Digital Input Harness, 15 in. cable
MVH-4037-J5-00	Relay Output Harness, 15 in. cable
MVH-4037-J6-04	4CH Video Input Harness, 15 in. cable
MVH-4037-J6-08	8CH Video Input Harness, 15 in. cable
MVH-4037-J7-00	Audio Output Harness, 15 in. cable
MVH-4037-J8-00	GPS Harness, 15 in. cable
MVH-4037-J8-03	GPS Harness, 10 ft. cable

Dimensional Diagrams

11.25 in. (286 mm)
10.75 in. (273 mm)
3.87 in. (98 mm)
2.86 in. (73 mm)
14.75 in. (375 mm)
11.15 in. (283 mm)

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Specifications subject to change without notice.