

MobileView® 7001H Hybrid Network Video Recorder

16-channel hybrid network video recorder for mobile transit applications



OVERVIEW

The MobileView 7001H Hybrid Network Video Recorder (NVR) supports up to 16 analog or IP channels for full video and audio surveillance on transit and rail vehicles. Supporting individual configuration on each channel and video resolutions up to 1080p at 30fps, the 7001H Hybrid NVR allows tailored capture of the highest quality images without missing any important details.

This robust NVR also includes optional 802.11 AC compliant wireless, power brownout protection and integrated GPS. A built-in web server simplifies installation and system checkout. The front-mounted, plain text LCD keypad provides detailed system status and allows quick access to device management tasks.

The 7001H Hybrid NVR is compatible with MobileView Depot Manager which allows users to monitor fleet health status, receive automatic event notifications, download scheduling, camera checks and maintenance ticketing and tracking.

STANDARD FEATURES

- Up to 16 analog or IP channels at real-time frame rate and up to 1080P resolution
- Flexible mass storage options (up to 4TB, Data Mirror option, SSD & HDD models)
- Recording quality configurable on alarm
- Integrated USB interface simplifies configuration and firmware updates
- 12 Digital Inputs/2 Analog Inputs/2 Relay Outputs
- Integrated GPS records vehicle speed, location and time sync
- Optional 802.11 AC, AN, BGN wireless
- LED and LCD displays provide at-a-glance and detailed system status
- Internal shock and vibration solution

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Specifications

Video Surveillance

Channels	16 analog or IP
Frame Rate	NTSC: 1-30fps; PAL: 1-25fps
Recording Resolution	Configurable up to 1080p
Incoming Bandwidth	64Mbps
Video Output	1-ch CVBS Output, Aviation Connector, 1.0 Vp-p, 75 Ω; NTSC 704 x 480, PAL 704 x 576 1x VGA with configurable resolutions
Storage Capacity	Up to 4TB
Storage Solution	Dual 2.5" disk drives, support SSD and HDD technologies
Caddy	Removable, hot-swap support, built-in USB 3.0 interface
Data Export	Via HDD caddy
Geolocation & Positioning	GPS based tracking
Clock sync methods	Via GPS or network timeserver

Digital Input Recording

Alarm Input	12 digital / 2 analog
Alarm Output	2 relay out 2 status out

Networking & Interfaces

NIC	2, RJ45
Standard Protocols	DHCP, NTP, DNS
Wireless	Optional 802.11 AC, AN, BGN Wireless Client
Antenna	1 Wireless Antenna, 1 GPS Antenna, SMA Connector
USB/eSATA	1 USB 3.0
Serial Port	1 RS232, 1 RS422

Physical

Dimensions (W x H x D)	8.1 x 4 x 11.42 in.
Weight	~ 15 lbs

Environmental

Temperature	-20°C to 55°C (-4°F-131°F)
Humidity	10% – 95%

Electrical

Power	Input: 9VDC to 32VDC; Output: DC +12V/2A
Power Consumption	30W typical

Ordering Information

MobileView 7001H NVR Kit Items

MVN-7300H-F1-K1	7001H, 16CH Hybrid NVR, Harness, Connection Kit
MVN-7300H-F1-01	7001H, 16CH Hybrid NVR, No Harness or Media

MobileView 7001H Caddy Kit Items

MVN-1002-K2-233	2TB Media Kit (1TB HDD + 1TB HDD Media), USB 3.0
MVN-1002-K2-233-SS	2TB Media Kit (1TB SSD + 1TB SSD Media), USB 3.0
MVN-1002-K2-433	4TB Media Kit (2TB HDD + 2TB HDD Media), USB 3.0

7001H Component & Accessory Items

MVN-T7300RF03	RF Option Card, 802.11 AC,AN,BGN, Dual-Mode
MVN-4004-00-00	Docking Station Interface
MVN-4037-00-P1A	7001H, J1 Power Harness, 15 in. length
MVN-4037-00-P2A	RS485 Serial Port Harness, 15 in. length
MVN-4037-00-P3	Serial Port Harness, 15 in. length
MVN-4037-00-P4	Rear AV Monitor Harness, 15 in. length
MVN-4037-00-P67	J2, J3, J5 Multi IO Harness, 15 in. length
MVN-4037-40-00	4CH Analog Video Harness, 15 in. length
MVN-4039-IH-01F	Interconnect Harness, 2Pin to 3Pin Molex, Qty. 16
MVN-4039H-F0-00	Hybrid Connection Kit, 16 Analog

Dimensional Diagrams

