

4-channel Mobile NVR

H.264 PoE Network Video Recorder



- H.264 and MJPEG Compression
- Four-channel Synchronous Real-time Playback with GRID Interface
- HDMI/VGA/TV Simultaneous Video Ouput
- Supports Two (2) 2.5-in. SATA HDDs, up to 2 TB each
- Includes Four (4) PoE Ports (IEEE802.3 af/at)
- Aviation Connectors for Increased Signal Stability
- Optional WiFi Module Available
- Conforms to ONVIF Version 2.3
- Multiple Network Monitoring Applications: Web Views, CMS, DSS
- Five-year Warranty*

System Overview

Dahua Mobile Solutions offers a durable mobile video surveillance solution that provides reliable security for transit agencies. The Mobile Solution NVR (or MNVR) operates across different transportation networks. The MNVR simultaneously records up to four (4) IP cameras in real-time and provides up to four (4) simultaneous video output channels.

The MNVR offers advanced options such as built-in motion detection algorithms, alarm triggers, and customized recording modes. MNVR technology is the ideal solution for actively monitoring and recording video feeds from mobile IP cameras. The recorder uses M12 aviation connectors to connect to cameras as an added level of stability.

Functions

Interfaces

Record and monitor video from up to four (4) IP camera inputs simultaneously. The mobile NVR supports four (4) channels of HDMI/ VGA/TV simultaneous video playback, multiple alarm inputs and relay outputs, plus two-way talk connections – one (1) audio input and one (1) audio output.

Flexible Recording

The MNVR offers a variety of configurable recording options and schedules that saves HDD space and active monitoring time. The HCVR monitors incoming video and can be programmed to record if motion is detected. The MNVR can also be programmed to record on a schedule or at different intervals.

Smart Search

Smart Search allows an operator to specify a region in the playback video to search for a motion detection event, saving time and manpower.



Mobile | DHI-NVR0404MF Series

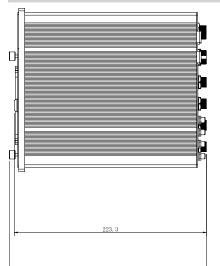
Technical Specification			
System			
Main Processor	Dual-core Embedded Processor		
Operating System	Embedded LINUX		
Display			
Interface	One (1) HDMI, One (1) VGA, Two (2) TV		
Resolution	1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768		
Multi-screen Display	1/4		
Privacy Masking	Four (4) Rectangular Zones (each camera)		
On-screen Display Options	Camera Title, Time, Video Loss, Camera Lock, Motion Detection, and Recording		
Video Detection and Alarm			
Trigger Events	Recording, PTZ, Tour, Alarm Out, Email, FTP, Buzzer, and Screen Tips		
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, and Camera Blank		
Alarm	Alarm Input: Four (4) Channels Relay Output: Three (3) Channels		
Playback and Backup			
Sync Playback	1/4		
Search Mode	Time / Date, Alarm, Motion Detection, and Exact Search (accurate to 1 second), Smart Search		
Playback Function	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, and Digital Zoom		
Backup Mode	USB Device, eSATA Device, Network, Internal HDD		
Storage			
Internal HDD	Two (2) SATA Ports, up to 4 TB total		
External HDD	One (1) eSATA Port		
Memory Slot	One (1) Micro SD Card		
Auxiliary Interface			
USB	Three (3) Ports total, including two (2) USB 3.0 ports		
RS232	One (1) Port for PC communication and keyboard connection		
RS485	One (1) Port for PTZ Control		
G-sensor	Support		
UPS	Support		
CAN Port	Support, Power Supply for PTZ		

Audio and Video				
Camera Inputs		Four (4) IP Channels		
Audio, Two-way Talk		One (1) Channel Microphone Input, One (1) Channel Microphone Output		
Recording				
Video Compression		H.264, MJPEG		
Audio Compression		G.711, PCM		
Resolution		12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 1080p, 720p, D1		
Record Rate		200 Mbps, maximum		
Bit Rate		48 Kbps to 8192 Kbps per Channel		
Record Mode		Manual, Schedule (Regular, Continuous), Motion Detection, and Stop		
Record Interval		1 minute to 120 minutes (default: 60 minutes) Pre-record: 1 s to 30 s Post-record: 10 s to 300 s		
Network				
late of a se	M12 Models	M12 D-coded Connector (10/100 Base-T)		
Interface	RJ45 Models	RJ45 Connector (10/100 Base-T)		
PoE		Four (4) Ports (IEEE802.3af/at)		
Network Function		TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server		
Wireless Network		Built-in 3G/4G WiFi Module (optional)		
GPS		Built-in High-accuracy GPS Module		
Max. User Access		128 users		
Mobile Operating System		IOS, Android, Windows		
Electrical				
Power Supply		6 V to 36 V		
Power Consumption		≤ 15 W		
Environmental				
Operating Conditions		-30 °C to +60 °C (-22 °F to +140 °F), with optional heater 10% to 95% RH, 86 to 106 kpa		
Vandal Resistance		IK10		
Construction				
Dimensions		180.0 mm × 208.0 mm × 100.0 mm (7.09 in. x 8.19 in. x 3.94 in.)		
Net Weight		3.0 kg (6.61 lbs), without HDD		
Certifications				
Safety		Conforms to UL Standard		
Mobile Applications		EN 50155		
Electromagnetic Compatibility (EMC)		FCC Part 15 Subpart B		

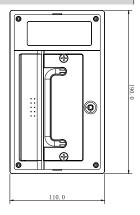
Mobile | DHI-NVR0404MF Series

Ordering Information			
Туре	Part Number	Description	
Mobile NVR	DHI-NVR0404MF-GFW M12	Four (4) IP Camera Channels, GPS, Wifi, 4G, Network Video Recorder, M12 D-coded Connector	
	DHI-NVR0404MF-GFW RJ45	Four (4) IP Camera Channels, GPS, Wifi, 4G, Network Video Recorder, RJ45 Connector	
	DHI-NVR0404MF-G M12	Four (4) IP Camera Channels, GPS, Network Video Recorder, M12 D-coded Connector	
	DHI-NVR0404MF-G RJ45	Four (4) IP Camera Channels, GPS, Network Video Recorder, RJ45 Connector	

Dimensions (mm)



229.3





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