

Four-channel Mobile HDCVI DVR

1080p H.264 Digital Video Recorder



- Supports HDCVI/Analog Video Input
- Dual-stream Recording
- H.264 Video Compression
- Two-channel 1080p and Two-channel 720p Real-time Recording
- Simultaneous VGA and TV Video Output Channels
- Aviation Connectors for Increased Signal Stability
- Optional WiFi and GPS Modules Available
- 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 HDCVI DVR (or MCVR) operates across different transportation networks. The MCVR simultaneously records four (4) analog/HDCVI cameras and provides two (2) simultaneous video output channels.

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

Functions

Interfaces

Record and monitor video from four (4) analog/HDCVI camera inputs simultaneously. The mobile MCVR supports one (1) VGA and one (1) TV (BNC) output connection, multiple alarm inputs and relay outputs, plus two-way talk connections – one (1) audio input and one (1) audio output.

Flexible Recording

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



Mobile | DHI-MCVR5104 Series

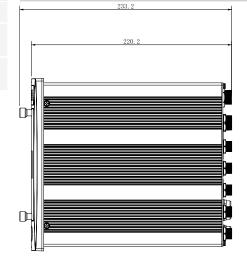
Technical Specification		
System		
Main Processor	Embedded Processor	
Operating System	Embedded Linux	
Display		
Interface	One (1) VGA and Two (2) TV	
Resolution	800 x 600	
Multi-screen Display	1/4	
Privacy Masking	Four (4) Rectangular Zones (each camera)	
On-screen Display Options	Camera Title, Time, 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	Input: Seven (7) Channels Output: Two (2) Channels	
Playback and Backup		
Playback	One (1) Channel	
Search Mode	Time / Date, Alarm, Motion Detection, and Exact Search (accurate to 1 second)	
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 Network	
Storage		
Internal HDD	One (1) SATA Port	
Memory Slot	One (1) Micro SD Card	
Auxiliary Interface		
USB	Two (2) USB 2.0 Ports	
RS232	One (1) Port for PC communication and keyboard connection	
RS485	One (1) Port for PTZ Control	
CAN Port	Support	
Heater	Optional	

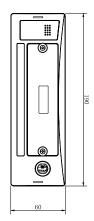
Audio and Video		
Camera Inputs	Four (4) HDCVI/Analog Channels	
Video Connector	M12 A-coded	
Resolution	Analog: NTSC (525 TVL) HDCVI: 720p/1080p	
Audio	Input: Four (4) Channels Output: One (1) Channel	
Two-way Talk	One (1) Channel Input, One (1) Channel Output	
Recording		
Video Compression	H.264, MJPEG	
Audio Compression	G.711	
Record Rate		
Main Stream	Two (2) Channels : 1080p at 30 fps, plus Two (2) Channels: 720p at 30 fps	
Sub Stream	D1 at 8 fps or CIF at 30 fps	
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		
Interface	One (1) RJ-45 Port (10/100 MB)	
Network Function	TCP/IP, UDP, DDNS, FTP, Email, Alarm Server	
Wireless Network	Built-in 3G/4G WiFi Module (optional)	
GPS	Built-in High-accuracy GPS Module (optional)	
Maximum User Access	User Access 10 Users	
Mobile Operating System	IOS, Android, Windows	
Electrical		
Power Supply	6 V to 36 V	
Power Consumption Environmental	< 15 W, with HDD	
Environmental		
Operating Conditions	-10 °C to +60 °C (+14 °F to +140 °F), 10% to 95% RH 86 to 106 kpa	
Vibration Suppression	5 Hz to 200 Hz: X/Y/Z, each direction 5.5 hours 5 Hz to 5.5 Hz: Vibration Amplitude 12.7 mm (0.5 in.) 5.5 Hz to 200 Hz: 15 m/s ²	
Vandal Resistance	IK10	
Construction		
Dimensions	178.0 mm × 220.0 mm × 50.0 mm (7.0 in. x 8.66 in. x 1.97 in.)	
Net Weight	2.10 kg (4.63 lbs), with HDD	
Certifications		
Safety	Conforms to UL Standard	
Mobile Applications	EN 50155	
Electromagnetic	FCC Part 15 Subpart B	
Compatibility (EMC)		

Mobile | DHI-MCVR5104 Series

Ordering Information		
Туре	Part Number	Description
MCVR	DHI-MCVR5104-G	Four (4) Analog/CVI Channels, 1080p, GPS, Digital Video Recorder
	DHI-MCVR5104-GFW	Four (4) Analog/CVI Channels, 1080p, GPS, Wifi, 4G, Digital Video Recorder

Dimensions (mm)







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