

### Mobile Digital Video Recorder



#### Description:

The CMR-M1-SH0401 hybrid video recorder (HVR) is a rugged multifunctional Mobile Rated Digital Video Recorder specifically designed for the harshest mobile environments. Utilizing "Solid-State" recording technology along with the stability of a Linux embedded operating system to ensure valuable footage is kept secure. Also featured is the use of H.265 video compression / decompression technology.

The CMR-M1-SH0401 utilizes two (2) SD cards for its storage media. The secondary SD card either duplicates the primary SD card to ensure video is available when you need it most, or it may function as a secondary storage device, offering double the storage capacity.

Several video recording formats are available to choose from: 1080P, 720P, WD1, WHD1, WCIF, D1, HD1 and CIF along with the unique capability to record three different types of video camera technologies simultaneously. Four channels of either standard high-resolution analog or Analog High Definition (AHD), supporting 1080p HD resolution (mix or match) or the option of adding a fifth "Totally Digital" IP camera (1080p).

The CMR-M1-SH0401 also provides recorded GPS travel information (mapping), vehicle sensor inputs (brakes, turn-signals, warning lights, etc.) along with optional wireless video downloading. Even the option for "live-viewing" capabilities!

It has a powerful modular design, flexible installation, easy maintenance and is highly reliable. Costar Mobile Software is provided for user-friendly video management processing.

#### Features:

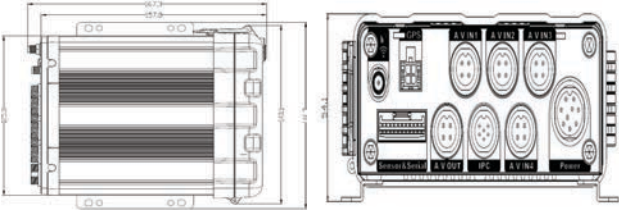













- Supports 4 channels AHD (1080P) + 1 IPC (1080P)
- Supports Dual SD cards for main recording
- Supports versatile mounting for any angle
- Supports GPS for location tracking
- Supports WIFI for video files download
- Supports 4G for live view and remote management
- New rugged metal design with locking faceplate
- New software performance with rich interfaces

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# CMR-M1-SH0401 Specifications

Model	Image Resolution	Image Quality
CMR-M1-SH0401	1080P(1920X1080)	1-8 levels adjustable (1 is the best)

<b>Power</b>
<b>Input:</b> DC8-36V
<b>Output:</b> 5V@500mA
<b>System Features</b>
<b>OS:</b> Linux 3.18.20
<b>Control Mode:</b> CP4, Easy Check, network/mouse(4G/WiFi)
<b>Video Features</b>
<b>Input:</b> 4 channels AHD, 1 channel IPC
<b>Output:</b> 1 channel
<b>Total Resource:</b> 4*720p@30fps AHD + 1* 1080P@30fps 4*1080p@15fps AHD + 1* 1080P@30fps
<b>Video Signal Standard:</b> Electrical level: 1Vpp Impedance: 75Ω NTSC/PAL Optional
<b>Audio</b>
<b>Input:</b> 5 channels 1 channel IPC audio input
<b>Output:</b> 1 channel
<b>Audio Signal Standard:</b> Electrical level: 2Vpp Input impedance: 4.7kΩ
<b>Display</b>
<b>Display Split:</b> 1/4/9
<b>OSD:</b> GPS, alarm, vehicle plate, speed, Date/Time, etc.
<b>Operation Interface:</b> Semi-transparent GUI
<b>Recording</b>
<b>Video Compression:</b> H.264/H.265
<b>Audio Compression:</b> ADPCM, G.711U
<b>Image Resolution:</b> Analog <b>PAL:</b> 1080P, 720P,WD1(928X576) WHD1(928X288), WCIF(464X288), D1(704X576), HD1(704x288), CIF(352x288)
<b>NTSC:</b> 1080P, 720P, WHD1(928X240), WD1(928x480) WCIF(464X240), D1(704x480),HD1(704x240), CIF(352x240)
<b>Image Resolution:</b> Digital: 1080P, 720P
<b>Image Quality:</b> 1-8 levels adjustable (1 is the best)
<b>Recording Mode:</b> Boot up/Schedule/Alarm
<b>Pre-recording:</b> 0-60minutes
<b>Post-recording:</b> 0-30 minutes
<b>Mirror/Dual Recording:</b> ---
<b>Playback</b>
<b>Playback Channel:</b> 1ch local playback
<b>Search Mode:</b> Date/time, channel, event
<b>Network</b>
<b>Ethernet:</b> ---
<b>IPC Ethernet:</b> 6-pin M12(100M x 1, PON power supply)
<b>WIFI:</b> Supports (802.11b/g/n)

<b>4G:</b> EVDO/TD-SCDMA,WCDMA, TDD-LTE,FDD-LTE optional	
<b>Locating / Storage / Interface</b>	
<b>GPS:</b> Location tracking, speed detection and time sync	
<b>Hard Disk:</b> ---	
<b>USB:</b> 1 x USB2.0(type A), 1x USB2.0(type B),Hot Swap	
<b>Sim:</b> ---	
<b>SD:</b> 2 x SD slot (256gb)	
<b>RS232:</b> RS232 x 1	
<b>RS485:</b> ---	
<b>Sensor:</b> 8 inputs, 2 outputs	
<b>Speed:</b> 1 channel pulse speed detection	
<b>Mic:</b> 1mic port (CP4)	
<b>Control Panel:</b> CP4 (optional)	
<b>General</b>	
<b>Operating Temperature:</b> -40°C- +70°C	
<b>Operating Relative Humidity:</b> 8%-90% (No Condensation)	
<b>Dimensions</b>	
<b>(L x W x H):</b> 167mm x 146.3mm x 54.1mm	
<b>Weight:</b> 0.83Kg	
	
<b>PC Software &amp; Optional Accessories</b>	
CMR Viewing Software	 
Sensor & Alarm Terminal Block	 
UPS (Uninterrupted Power Supply)	 
Easy Check	 
CP4 setup Monitor	 
Fireproof Back Up Drive	 
	

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