

### Mobile Digital Video Recorder



#### Description:

The CMR-X5-E0804 hybrid video recorder (HVR) is a rugged multifunctional Mobile Rated Digital Video Recorder specifically designed for the harshest mobile environments. It utilizes a highspeed processor and proven stability of a Linux embedded operating system, combined with the most advanced H.264 video compression / decompression technology available.

Video is stored on removable 2.5" SATA Mobile Rated Hard Drive with available 2TB storage capacity.

The CMR-X5-E0804 features a separate removable SD card that provides event/mirror recording to ensure valuable video isn't lost.

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. Eight channels of either standard high-resolution analog or Analog High Definition (AHD), supporting 1080p HD resolution (mix or match) or the option of adding four "Totally Digital" IP camera (1080p).

The CMR-X5-E0804 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.

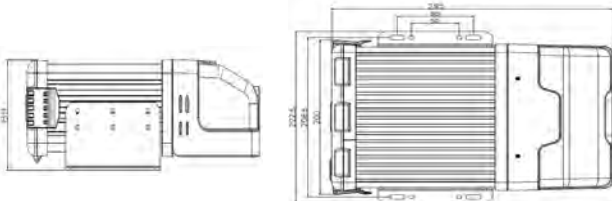













#### Features:

- Supports 8 channels AHD (1080P) + 4 IPC (1080P)
- Modular design for easy maintenance
- Revolutionary anti-vibration technology for 360 degree installation when using SSD storage media
- Supports 2.5" 2TB hard disk storage and SD card for mirror recording
- Dual streams for local recording and wireless transmission
- Built-in GPS for location tracking
- Built-in WiFi 802.11b/g/n for wireless downloading
- Optional 4G for live view and remote management
- Built-in inertia sensor
- Built-in heater (optional)

# CMR-X5-E0804 Specifications

Model	Image Resolution	Image Quality
CMR-X5-E0804	1080P(1920X1080)	1-8 levels adjustable (1 is the best)

<b>Power</b>
<b>Input:</b> DC8-36V
<b>Output:</b> 12V@500mA, 5V@500mA
<b>System Features</b>
<b>OS:</b> Linux 3.0.8
<b>Control Mode:</b> CP4, Easy Check, network 3G/4G/WiFi/mouse
<b>Video Features</b>
<b>Input:</b> 8 channels AHD (1080P), 4 channel IPC (1080P)
<b>Output:</b> 2 channel
<b>Total Resource:</b> 8*720p@30fps AHD + 4* 1080P@30fps 8*1080p@10fps AHD + 4* 1080P@30fps
<b>Video Signal Standard:</b> Electrical level: 1Vpp Impedance: 75Ω NTSC/PAL Optional
<b>Audio</b>
<b>Input:</b> 12 channels (8 x AHD + IPC x 4)
<b>Output:</b> 2 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, temp, Acceleration, voltage, network etc.
<b>Operation Interface:</b> Semi-transparent GUI
<b>Recording</b>
<b>Video Compression:</b> H.264
<b>Audio Compression:</b> ADPCM, G.711A, 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: 720P
<b>Image Quality:</b> 1-8 levels adjustable (1 is the best)
<b>Recording Mode:</b> Boot up/Manual/Schedule/Alarm (sensor trigger, speed, acceleration, video loss, temperature)
<b>Pre-recording:</b> 0-60minutes
<b>Post-recording:</b> 0-30 minutes
<b>Mirror/Dual Recording:</b> Support
<b>Playback</b>
<b>Playback Channel:</b> 1~4 ch local playback
<b>Search Mode:</b> Date/time, channel, event
<b>Network</b>
<b>Ethernet:</b> RJ45(10/100M/1000M) x1
<b>IPC Ethernet:</b> 6-pin M12(10/100M x 4, PON power supply)
<b>WIFI:</b> Supports (802.11b/g/n)

<b>4G:</b> EVDO, WCDMA, TDD-LTE,FDD-LTE	
<b>Locating / Storage / Interface</b>	
<b>GPS:</b> Location tracking, speed detection and time sync	
<b>Hard Disk:</b> 1-2.5" SATA HDD or SSD x 1(Up to 2 TB)	
<b>USB:</b> 2 x USB2.0	
<b>Sim:</b> 2 x SIM slot	
<b>SD:</b> 1 x SD slot	
<b>RS232:</b> RS232 x 2	
<b>RS485:</b> RS485 x 2	
<b>Sensor:</b> 8 inputs, 2 outputs	
<b>Speed:</b> 1 channel pulse speed detection	
<b>Serial/Mic:</b> G-Sensor (Internal) / 1mic port	
<b>Control Panel:</b> Touch panel CP4 optional	
<b>General</b>	
<b>Operating Temperature:</b> -40°C- +70°C(with heating) -10°C- +70°C	
<b>Operating Relative Humidity:</b> 8%-90% (No Condensation)	
<b>Dimensions</b>	
<b>(L x W x H):</b> 295mm x 222mm x 89mm	
<b>Weight:</b> 2.6Kg	
	
<b>PC Software &amp; Optional Accessories</b>	
CMR Viewing Software	 <div>GPS module &amp; Antenna </div> <div>Built-in WIFI module &amp; Antenna "optional" </div>
Sensor & Alarm Terminal Block	 <div>Built in 4G module &amp; Antenna "optional" </div>
UPS (Uninterrupted Power Supply)	 <div>Lock Box </div>
Easy Check	 <div>CP4 setup Monitor </div> <div>Transfer Cable </div> <div>DIN Cable </div>
Fireproof Back Up Drive	 <div>System Status &amp; Panic Module </div>

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MOBILE VIDEO