

EMV1200 *NEW!*

Compact 12 Channel Hot-Swap H.264 Mobile Digital Video Recorder



Features

- 12 channels of video and audio recording
- Recording Rate: 120 FPS @ D1 resolution / 240FPS @ 2CIF / 480 FPS @ CIF resolution (record rate, resolution and quality can be set independently per-camera up to the maximum of 480 CIF-equivalent FPS)
- H.264 compression format for efficient disk and network utilization
- Front and rear panel video/audio outputs for easy connection and configuration (RCA & BNC)
- Special Graphical User Interface design for use with mobile small-sized monitors
- Molex connectors for shock & vibration resistance; interface cables to BNC & RCA
- Alarm Inputs & Outputs: 12 & 2 (alarm outputs are form "C")
- Embedded 3-axis g-sensor function with separate programmable alarm levels for X/Y and Z axis
- Removable video storage hard disk; easy playback on PC (using EPR110C, sold separately)
- Supports single 2.5" SATA hard disk standard (up to 500 GB)
- Supports multiple interfaces: 3xUSB , RS-485, RS-232, GPS port, wired Ethernet & IR Remote Control, Control Port & CAN BUS
- Optional wireless 802.11 a/b/g with diversity antennas¹
- Provides regulated 12VDC camera power for 12 cameras; interface cables to power jacks provided
- Optional External EDGE/GPRS/CDMA/WI-FI Modules for cellular/specialized wireless Transmission
- GPS function tracks speed and geographic limits (optional external GPS receiver)
- Power Supply: 10V~36VDC with Surge Protection, Voltage Regulation, programmable Delay on/off Delay on protects equipment from starter motor power surge; delay off allows recording even after ignition has been turned off
- Temperature: -40°F~131°F (Operating), -40°F~185°F (Non-Operating)
- System warnings: System fail LED, HDD full, HDD/Sys Temp, Fan fail, HDD fail LED, HDD power off, HDD failure
- Email Alert: Multiple email notifications in response to alarms and events. (Requires real time network connectivity though cellular or WiFi service)
- Event Alarm: Fan failure, hard disk temperature, hard disk failure, hard disk full, hard disk removed, power loss (after power is restored), network loss, GPS loss, GPS speed, GPS fencing, G sensor limits
- Watchdog Function: Reboots DVR automatically if required

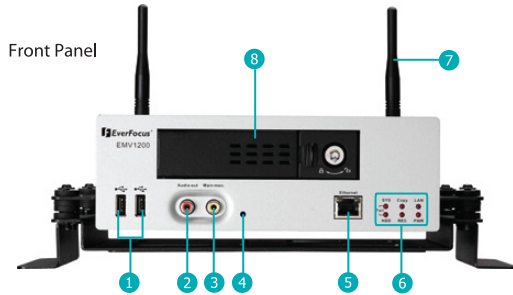
¹Available only with EMV1200W

Specifications

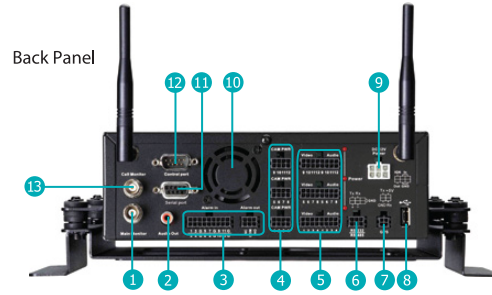
Video Format	NTSC/PAL (auto detected by system)
Operating System	Embedded Linux with special small monitor friendly GUI
Video Input	12 channels (vibration resistant locking Molex connectors – Interface cables to BNC-F supplied: 3x groups of 4 cameras each)
Video Output	Main monitor: 1 composite BNC (rear) / 1 RCA output, (front) Call Monitor: 1 composite BNC (rear)
Video Compression	H.264
Video Display	Full, 4/9/12, Sequence
Recording Resolutions	NTSC: 720x480/720x240/360x240 PAL: 720x576/720x288/360x288
Audio Inputs	12 line in (vibration resistant locking Molex connectors - Interface cables to RCA-F supplied: 3x groups of 4 cameras each)
Audio Outputs	1 front panel RCA line out, 1 rear panel RCA ine out
Alarm Inputs	12 alarm inputs (vibration resistant locking Molex connectors - Interface cables supplied)
Alarm Outputs	2 alarm outputs (form "C"; contacts rated at 30V AC/DC @ 1 amp – interface cables supplied)
Storage	One 2.5" HDD (up to 500 GB)
Recording Rate	NTSC: D1 120 FPS, 2CIF 240 FPS, CIF 480 FPS (duplex) PAL: D1 100 FPS, 2CIF 200 FPS, CIF 400 FPS (duplex) (Per camera resolutions and record rates can be set individually per camera through the OSD menus up to the maximum record capacity of 480 NTSC (400 PAL) CIF equivalent FPS)
Recording Mode	Continuous recording, event recording, continuous + event recording (Rate and resolution in each mode set independently per camera)
Record Quality	Adjustable in five levels per camera per Record Mode
Pre Alarm Recording	Optional; 5 second interval
Playback Rate	NTSC: D1 120 FPS, 2CIF 240 FPS, CIF 480 FPS PAL: D1 100 FPS, 2CIF 200 FPS, CIF 400 FPS
Playback Search	Time/date, event search, GPS Speed, G-Sensor Value
Video Loss Detection	Yes
G Sensor	Embedded 3-axis G Sensor; data recorded; alarm if separate user limits for X/Y or Z axis exceeded
GPS Function	Optional External GPS Sensor for speed and geographic limit alarms (rectangular or circular fencing)
Configuration Method	On screen menu with 'portable monitor friendly' GUI
Control/Setup	IR remote control, USB mouse, network I/F
Real Time Clock	Can be synchronized to GPS/NTP time source; flexible DST settings
Networking	RJ45 socket, 10/100Mbps; 802.11b/g WiFi with diversity antennas ¹ TCP-IP/DHCP/PPPoE/DDNS/SMTP/SSL/POP3/HTTP/NTP
File Export	USB 2.0 interface, Network I/F
Interfaces	RS-232, RS-485, USB x 3, GPS port, Control Port, CAN BUS
Power Source	10V~36VDC (Built in surge protection, voltage regulation, programmable Delay On/Off relative to ignition or other switched voltage)
Power Consumption	6.2A max @ 12VDC supplying 4.8A to cameras
Camera Power Outputs	Total current 4.8 amps @ 12VDC (vibration resistant locking Molex connectors – interface cable provided to coaxial power plugs: 3 X groups of 4 cameras); 1.2A for camera 1~4 and 1.8A for camera 5~8, 1.8A for Cameras 9~12
Dimensions (L x W x H)	260 x 210 x 70mm / 10.24" x 8.27" x 2.76" (w/out mount bracket) 313.5 x 260 x 97.8mm / 12.4" x 10.2" x 3.9" (w/mount bracket)
Weight	3.2 kg / 7.05 lbs. (w/out mount), 3.65 kg / 8.05 lbs (w/mount)
Operating Temp.	Working Temperature: -40°C ~55°C / -40°F~131°F Storage Temperature: -40°C ~ 85°C / -40°F ~ 185°F

Major Operating Controls - EMV1200W (WIFI option)

* Front & back panel controls may vary depending on models



- 1 USB 2.0 Port
- 2 Audio Out (RCA)
- 3 Main Monitor (RCA)
- 4 Remote IR Sensor
- 5 Ethernet Port
- 6 System Warning LEDs
- 7 802.11 b/g WiFi Antenna
- 8 Hot Swap Hard Drive (with Enable/Lock)



- 1 Main Monitor Out (BNC)
- 2 Audio Out (RCA)
- 3 Alarm In/Out (12 In, 2 Out)
- 4 Camera Power Outputs (12)
- 5 Video & Audio Inputs (12)
- 6 RS-232/RS-485
- 7 GPS Data Input
- 8 USB 2.0 Port
- 9 Power/Ignition Control In/ Switched Power Out
- 10 Fan
- 11 Serial Port
- 12 Control Port
- 13 Call Monitor Out

Advantages

Full Comprehensive Features with H.264

The EMV1200 12 channel mobile DVR offers H.264 compression technology for enhanced recording capacity and improved network image transmission speed with high image quality. This DVR delivers real-time video and audio recoding on all 12 channels (120 FPS @ D1 resolution) frame rate and resolution independently configurable for each camera.



Ideal for Any Mobile Application

The EMV1200 offers Molex connectors for shock & vibration resistance (interface cables to BNC, RCA and power jacks supplied). The included power supply provides surge protection, voltage regulation, and programmable delay power on/off for the DVR and the system cameras. In addition, the EMV1200 features 1 hot swap hard drive, a embedded 3-axis g-sensor, GPS receiver interface, optional 802.11b/g WiFi, individual camera power outputs, and remote control capability.



Multiple Interfaces

The DVR provides multiple interfaces including 3 USB ports, RS-485, RS-232, GPS port, wired and optional WiFi Ethernet, IR remote control, 12 alarm inputs and 2 alarm outputs. Video outputs are provided at both front and rear panels for ease of installation and maintenance, plus the new easy-to-read Graphical User Interface is specially designed for use with portable small-screen monitors.

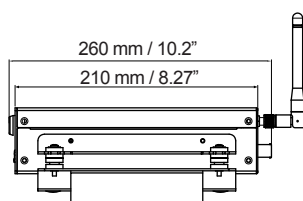
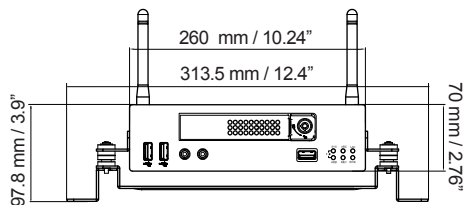
Convenient Monitoring with Web-Viewer

The EMV1200 has a built-in web server that enables users to monitor live and playback DVR images through a web browser from any supported PC, without a special software (requires connectivity through cellular or LAN network).



Mobile Solution

Dimensions



(Unit: mm/inch)

Ordering Information**

- **EMV1200:** 12 Ch. Mobile H.264 Compact DVR, 120 FPS
- **EMV1200W:** 12 Ch. Mobile H.264 Compact DVR, 120 FPS, WIFI

*** Check with your EverFocus sales rep for release date and availability*

* Models vary in different countries. Visit www.everfocus.com and select your country for accurate ordering information