Delivery includes IR remote control!

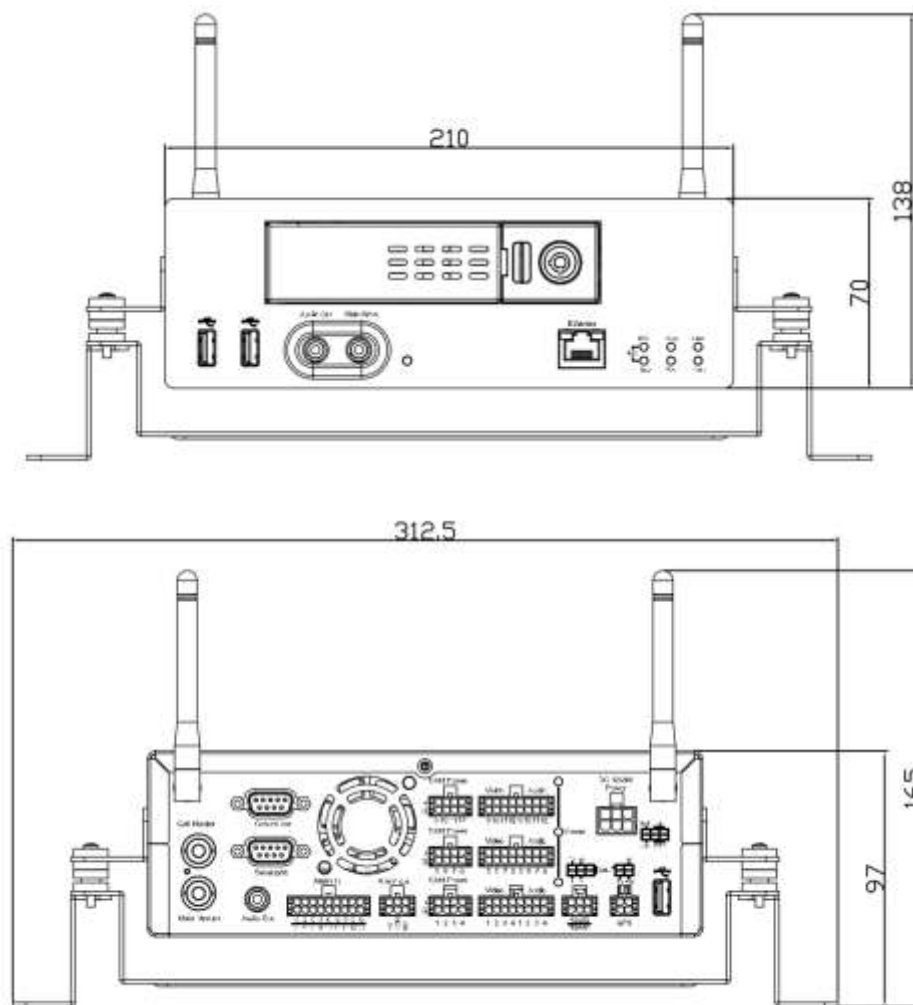## EMV 1200 – 12-channel mobile H.264 digital video recorder

Features

- H.264 compression format for efficient disk and network utilization
- Special graphic user interface design for use with small size mobile monitors
- Variable recording speeds up to 400 IPS
- Recording rate, resolution and quality individually adjustable for each camera
- Front and rear panel video/audio outputs for easy connection and configuration
- Shock and vibration-proof crimp connectors with adaptor cables
- Embedded 3-axis G-sensor function with separate programmable alarm levels for X/Y and Z axis
- Removable harddisk (6,35 cm / 2,5" or 8,9 cm / 3,5") for video storage
- GPS function tracks speed and geographic limits (requires optional external GPS receiver)
- Thermostat-controlled heater allows extended low temperature range

- Multiple interfaces: 3xUSB , RS-485, RS-232, GPS port, wired Ethernet, IR remote control
- Optional wireless 802.11 a/b/g interface
- 12 x alarm inputs , 2 x relay outputs
- 12 x audio inputs, 2 x audio outputs
- 12 V DC camera power outputs for 12 cameras; interface cables to power jacks included
- Shock and vibration-proof mounting kit
- Data archiving via USB 2.0 port or network interface
- Real time audio recording at any video recording speed
- Ethernet interface for remote network viewing and controlling

Technical data

Video format	PAL / NTSC (auto detection)
Display format main monitor	1, 4, 9, 12x multiscreen, SEQ
Display format call monitor	full screen (live view)
Video input	12 inputs 1 Vp-p composite PAL, BNC, autom. 75 Ohm termination
Video output	2 x composite main monitor output, 1 Vp-p at 75 Ohm, BNC (back panel), RCA (front) 1 x composite call monitor output, 1 Vp-p at 75 Ohm, BNC (back panel)
Video compression	H.264
Harddisk storage	1 x removable 6,35 cm (2,5") SATA harddisk OR 1 x removable 8,9 cm (3,5") SATA harddisk (for non-automotive applications)
Recording resolution	704 x 576 / 704 x 288 / 352 x 288, individually adjustable for each camera
Recording rate	1 ~ 400 IPS (352 x 288) / 1 ~ 200 IPS (704 x 288) / 1 ~100 IPS (704 x 576) individual setup per channel for normal and event recording (remaining rate to be distributed among remaining channels)
Recording modes	continuous or event recording
Pre-alarm record	up to 5 s
Playback search	via date/time or event
Video pause	yes
Video loss detection	yes
Event log	yes (10.240 entries)
Alarm input	12 alarm inputs N.O. / N.C.
Alarm output	2 alarm relay output 30 V DC/AC / 1 A
Audio input	12 mono (line) inputs (crimp terminal connectors with adaptor cables to 12 x RCA socket)
Audio output	2 mono (line) outputs (1 x RCA socket at back panel, 1 x RCA socket at front)
Camera power output	12 x 12 VDC, 4,8 A total, crimp terminal connectors with adaptor cables to 12 x 5,5 mm power socket
GPS	interface for optional GPS receiver, display / record of position and vehicle speed, GPS fence function
Heater	internal heater ~ 20W, thermostat-controlled, with delay function for DVR booting at low temperatures
Acceleration / G-sensor	integrated G-sensor, adjustable event trigger level for X/Y and Z axis , range 0,072~9G
Setup	graphic user interface (GUI), optimised for display on small size monitors
Control	IR remote control, USB mouse control; optional: network, RS-485 keyboard EKB 500
Timer	built-in real time clock with automatic time synchronisation via global NTP server through Internet, automatic daylight saving time
Title	16-characters title generator for each camera, 1 x 16-characters global title
Archive	to USB-flash stick via USB 2.0 interface, optional via network
Ethernet	RJ45 socket, 10/100 Mbps, optional 802.11b/g WiFi
Interfaces	1 x RS-232, 1 x RS-485, 3 x USB, 1 x GPS receiver (crimp terminal connectors with adaptor cables)
Password protection	3 levels
Watchdog function	for processing, cooler fan, HDD temperature, HDD status, GPS, G-sensor

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Power source	10 ~ 36 V DC (230 V AC power supply not included!) , built-in surge protection, programmable delay for DVR on/off relative to ignition or other contact
Power consumption	with 1 x 6,35cm/2,5" harddisk, camera power outputs not connected: heater off: 12 V DC: 1,5 A / 24 V DC: 0,8 A / heater on: 12 V DC: 3,3 A / 24 V DC: 1,9 A standby mode (ignition off): 12 V DC: 0,12 A / 24 V DC: 0,08 A
Ambient temperature	-40°C ~ +55°C
Operating shock	8G, 11 ms (20 per 5 seconds max.)
Operating vibrations	5 ~ 20 Hz, 0,037° (double amplitude), 5 ~ 500 Hz, 0,75 G (0 to peak)
Dimensions (WxHxD)	210 x 70 x 260 mm (w/o mobile mounting kit / antenna) // 312,5 x 97 x 260 mm (with mobile mounting kit / antenna)
Weight	3,2 kg (w/o mobile mounting kit) // 3,65 kg (with mobile mounting kit)

Dimensions

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Remote control devices

EKB 500 – multi-function keyboard

Technical data

Keys	48
Joystick	3D PTZ function control
Jog/shuttle	DVR control
Display	LCD 2 lines with 20 characters each
Baud rate	1.200 ~ 38.400
Serial interfaces	RS-232 (service) / 2 x RS-485
Protocols	Pelco-P / Pelco-D / EverFocus / Samsung (EI.) / EQ 2700 S / Panasonic
Devices	Control of speed dome, DVR and EQ 2700 motorzoom camera
Cascading	Up to 8 keyboards addressable
Wiring box	Yes
Power source	12 V DC, via included power supply 230 V AC
Power consumption	10 W max.
Ambient temperature	0°C ~ +40°C
Dimensions (WxHxD)	360 x 110 x 200 mm
Weight	1,5 kg

PowerCon 4.x – network management software

Features

- Unlimited number of managed systems (DVRs, Megapixel / network cameras, video servers, 3rd party applications)
- Live and playback view
- Local storage and printout of video data or single pictures on client PC
- Multi-window design with scalable video windows
- Freely definable multiviews with up to 16 DVR systems or network cameras, also mixed display of different DVRs (max. 256 cameras in 1 multiview with 16 x 16-channel DVR*)
- Mapview: visualisation of CCTV system in areas or buildings with freely scalable maps, graphics (BMP or JPG format) or active symbols
- Remote DVR configuration (EDR DVR series only)
- Remote configuration of EverFocus network cameras and video servers
- EKB 200 joystick control

- POS module for retail applications (optional)
- GPS module for object tracking (optional)
- Network alarm reception and management
- Multi-monitor support (depending on PC configuration)
- Advanced access rights management with individual user rights for functions and system access
- System checker: integrated background port checker with alarm function for availability of DVRs, cameras and video servers in network
- Support of external program starts
- Basic feature support for browser-based 3rd party applications

* function requires specific PC + network preconditions – please contact your sales partner for further details!

Ordering information

EMV 1200 NH	12-channel H.264 mobile digital video recorder, w/o harddisk, incl. mobile mounting kit, 10 ~ 36 V DC (230 V AC power supply not included) Harddisk storage: optional up to 1 x 6,35 cm (2,5") **OR 1 x 8,9 cm (3,5")** SATA HDD in a removable HDD tray
EKB 500	Multi-function keyboard for speed dome and DVRs, with 3-axis joystick and jog/shuttle, 12 V DC (230 VAC power supply incl.)
PowerCon 4.x	PowerCon 4.x single client version with CM stick (current version: 4.3)
PowerCon 4.x update	PowerCon 4.x update version for PowerCon Pro and PowerCon station (serial number of existing version required)

Please order your H.264 mobile DVR as follows:

DVR Series   Model / No. of harddisks   / Size of harddisks   / Examples:

Ordering code: ➔   You'll receive:

EMV   1200-2,5   / 1/   250 ➔   12-channel H.264 mobile DVR with 1 built-in 6,35 cm (2,5") 250 GB harddisk for automotive applications
EMV   1200-3,5   / 1/   500 ➔   12-channel H.264 mobile DVR with 1 built-in 8,9 cm (3,5") 500 GB harddisk for non-automotive applications

If you prefer to receive the DVR and HDD separately, please order the "NH" DVR model and separate harddisk in the requested size. If you prefer to receive the **DVR without any harddisk, we'll provide y**ou with a list of suitable harddisks which have been tested and approved for your H.264 mobile DVR.

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