

MOB1304 Mobile Surveillance DVR



Model Number(s):

- MOB1304 - 4 channel solution

Key Points

- DVR Supplies Camera Power
- Supports PTZ & has a GPS Option
- Hot Swappable HDD w/ Lock
- 10 - 90 mins Delay Shut-Off
- Date/Time Stamp
- Includes Privacy Shield



AVerMedia's MOB1304 is an excellent choice for people looking to add video surveillance to their vehicle security. It comes ready to install with mounting brackets, supplies power directly to 4 cameras, offers an easy-to-use interface and provides 4 channels video/1 channel audio - at a great price.

This DVR is also compact enough to slide easily into tight spaces, provides excellent image quality, rapid exports/backups via USB and supports a key-locking hot swappable SATA HDD.

SYSTEM

- Embedded Linux DVR
- Recording Rates/Resolution: CIF - 120 fps; D1 - 60 fps; D1 Enhanced - 30fps
- Video: 4 analog channels (BNC connectors)
- Audio: 4 channel in and 1 channel out
- Format: MPEG4 compression
- Alarms: 4 sensor inputs/1 relay output
- 1 BNC and 1 VGA output for simultaneous spot and dual monitor outputs
- Pan-Tilt-Zoom (PTZ) camera supported
- Unit can provide power for up to 4 cameras
- System shutdown can be delayed for a period of 10 mins, 60 mins, 90 mins or an unlimited period of time after vehicle is turned off
- System will automatically sync with daylight savings time changes

SYSTEM PROTECTION

- Users can customize fan operation (start/stop) by defining temperature thresholds
- System will stop HDD recording if temperature crosses user defined maximum
- System provides stable DVR performance with overvoltage surge protection as well as triggering an alarm due to extremely low voltage
- For added stability due to vehicular movements, the MOB1304 is equipped with mounting brackets as well rubber insulators

CAPABILITIES

RECORDING

Based on environmental needs, recording can be setup to maximize video quality and minimize storage needs:

- System will automatically & continuously record when powered
- Recording footage (live video) can be displayed simultaneously when using dual monitors
- Schedule recording by the hour for the following:
 - Continuous
 - Event Sensor or Smart (motion triggered escalation of recording fps with user-defined min/max fps - maximizes storage)
- Video Shield maintains privacy by blocking unwanted or private areas of images as needed
- In the event of a collision or hit (user specified level), the system automatically triggers an alarm, noting the event, for easy retrieval and playback of footage (through event log)
- System will automatically recycle storage space

PLAYBACK

- Effortlessly playback by simply choosing a time or event segment
- Define a video segment by simply choosing a start time "A" and an end time "B" to facilitate rapid viewing of pertinent video. Video segment will continuously loop till stopped

Free Bundled Playback Software

Additional features for video playback when using external PCs

- Playback exported video clips on any PC with Windows 7, Vista, XP or 2000
- Convert files to .avi for playback on Windows Media Player
- Segment video and loop clips for easy playback of pertinent events
- Allows for rapid HDD to HDD backup
- Unit includes editing software to amplify recorded video quality:
 - iEnhance allows color, noise and light manipulation
 - iStable smooths shaking/jolts caused by vehicle movements

SEARCH

- Defined parameter search by date, time, motion and event
- Comprehensive event log for incident driven searches

EXPORT/BACKUP/STORAGE

- System supports 2.5" or 3.5" hot swappable SATA HDD that is protected with a key-lock
- Easily export and backup to USB flash drive
- Backup to any connected PC running Windows 7, Vista, XP or 2000 with bundled software

BUNDLED ACCESSORIES

- Extended IR cable
- Brackets
- Battery
- USB cable
- Power line
- Remote control

OPTIONAL GPS RECEIVER

- Shows vehicle location and speed in both live and recorded video

SPECIFICATIONS

MOB1304 Detailed Specifications

Front Panel Connections		
Front panel controls	LED Indicators, IR, IR-Extension Port	
DVD writer	No	
USB 2.0	2 total: - 1 reserved for Mouse, Backup and DVR Upgrades - 1 reserved for Backup (Direct to Notebook/PC)	
Rear Panel Connections		
Video Inputs (analog)	4 - BNC connectors	
Video Inputs (IP)	None	
Video Output	1 - VGA, 1 -BNC Spot Monitor	
Audio Input/Output	4/1	
Microphone Input	None	
Alarm Inputs/ Relay Outputs	4/1	
E-SATA	None	
USB 2.0	0	
Communication	1x - RS232, 1x - RS485	
AC Power	Power Adapter, 12V DC	
Unit		
Operating system	Embedded Linux	
Compression	MPEG4	
Video Format	NTSC: 352 x 240 (CIF), 704x 480 (D1), 704x480 (D1 Enhanced Mode)	
Recording Rates	CIF	120fps
	D1	60fps
	D1- Enhanced	30fps
Storage	1 Internal SATA HDD, up to 1TB	
Communication Ports	RS 485	1, Terminal block, Tx+, Tx-, Rx+, Rx-
	RS 232	1, Rx, G
Networking	1x - 10/100/1000 Base-T Ethernet, RJ-45	
Operator Interface	USB mouse, Remote Control (supports optional IR extension cable)	
Browser/Remote Client	MS Internet Explorer 6+, Windows 7, 2000, XP, VISTA,	
Mechanical		
Dimensions (H x W x D)	1.97 x 9.25 x 6.3in	
Weight	1.25 lbs (not including optional HDD)	
Regulatory		
Emissions	FCC: Part 15, Class A	

Software		
Interface	OSD Menu	
Account Administration	Administrator, Operator and User	
PTZ Control	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan	
De-interlace options	Optimize for dynamic or static analog camera scenes using USB Playback Software	
Playback Administration	Playback while recording or setup	
	Play, rewind, fast-forward, frame-by-frame control Export video clip (Includes USB Playback Utility)	
Motion Detection	Configurable to sense motion; can partition off areas in monitoring regions from motion triggers	
Event Recording	Schedule: Continuous, Smart, Varied, Alarm, Manual	
Video Event Search	Date/Time, Event, Logs, Smart Motion	
Advanced Event Log	Full event, operation, system log	
Alarm Notifications	Record, Relay or E-mail notification	
iEnhance	Enhance video quality such as Brightness/Contrast/Hue/ Saturation/ Sharpness/ Noise Reduction/De-interlace/ Gray Scale of recorded video	
iStable	One-click fix for shaky video caused by camera movement (such as wind or vandalism)	
Environmental		
Temperature	Operating	32 ° to 104 °F
	Storage	-22°F to 140 °F
Relative humidity	Operating	50%-80%
	Stored	90%
Warranty		
2 Year Limited Parts and Labor		

RECOMMENDATIONS

MOB1304 Hardware Recommendation List

SATA HDD

Brand	Model	Capacity
Hitachi	HDP725050GLA360	500GB
Seagate SV35.2	ST3750640SV	750GB
Seagate SV35.3	ST31000340SV	1TB

Hardware recommendations are the minimum required hardware specifications for running our systems and not a guarantee to achieve the best performance of our DVR systems. Hardware specifications required to achieve the best performance of our DVR systems are subjected to different system settings and operation conditions.