

## 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

## MOB1304 Detailed Specifications

| Front Panel Connections        |  |                                       |
|--------------------------------|--|---------------------------------------|
| Front panel controls           | LED Indicators, IR, IR-Extension Port  |                                       |
| DVD writer                     | No   |                                       |
| USB 2.0                        | 2 total:<br>- 1 reserved for Mouse, Backup and DVR Upgrades<br>- 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/<br>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                     | N/A  |                                       |
| 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.