

*See the world through our eyes.*

# REAR VISION SYSTEMS

SPECIALISTS IN VEHICLE REAR VIEW CAMERA EQUIPMENT  
ALSO TRADING AS TRUCK REAR VISION SYSTEMS

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## MOBILE DIGITAL VIDEO RECORDER - SATA MDR-6 4 CAMERA INPUTS, 40GB-100GB HDD STORAGE

### PRODUCT FEATURES:

- Stand alone NON-PC embedded operating system (RTOS) provides maximum stability
- High Quality MPEG-4 video recording and playback at full frame rate (30 fps)
- Record up to 4 channels of high resolution video
- Record up to 4 channels of highly synchronized audio
- Built-in GPS allows for vehicle tracking and location recording in video field
- IPIX Integrated Remote Software provides 360° video in viewing & recording (with analog panoramic view cameras) Note: IPIX license required
- Small, low profile assembly includes a quick release mount that eliminates the need for a "vault" box
- Optional WI-FI and Cellular Video Networking
- 9 "Alarm In" connections allow specific cameras to be put into record mode on receipt of an "Alarm In" signal
- USB port allows laptop connection to download & upload data.
- Flash Card (CFC) can be used for software upgrades uploading advertising clips to the Mobile DVR
- Low power consumption.
- Works automatically when vehicle ignition is turned on.
- Full line of cameras and accessories for many mobile applications.

### VIDEO & AUDIO DVR FEATURES & CAPABILITIES

- 4 channels for video input, full-motion (30fps/camera) continuous video recording and display.
- 4 channels for high-fidelity, digitally recorded, synchronized audio matched to 4 video channels
- Continuous recording while in the search mode.
- MPEG-4 video compression for high quality, low storage recording and playback.
- User-selectable settings for quality and audio record enable/disable for each video channel
- 12v power supply output for multiple devices such as cameras, sensors and other accessories.
- Selectable idle frame rate with selectable event-triggered burst recording speeds up to 30fps/cam.
- Multiple alarm inputs with selectable pre-alarm and post-alarm recording.
- Full event logging of every operation controlled by the SATA MDR
- 2 Video output channels for live video and recorded video viewing

## STREAMING VIDEO OUTPUT FOR ADVERTISING, ENTERTAINMENT, AND INFORMATION

- DVD-quality streaming audio/video channel with independent NTSC or PAL composite or VGA output.
- Convenient flash card, USB media updating and status file downloading.
- Simultaneous and independent operation of DVR and streaming advertising.

## ACCESSORY MODULES FOR SUPPLEMENTAL DATA AND DRIVER MANAGEMENT

- Video Interface Module including Video text overlay, data capture, GPS location, speed and temperature
- Vehicle Motion Manager includes 3-axis inertia sensor to determine recording video-matched motion events
- Vehicle Management Software interprets video and data for driver and vehicle use assessment.
- Video Event Search software allows intelligent searching of video based on event information

## REMOTE CONNECTION CAPABILITIES

- Handheld Infra-Red controller with OSD for quick access to recorded video and settings menus.
- USB connection for file transfer, PC-based file transfer and settings management.
- PC-Based client software for playback viewing, management, and file transfer.

# SATA MDR-6 SPECIFICATIONS

### SYSTEM CONFIGURATION:

**OS** .....Linux  
**Operation Interface** .....Hand-held, IR controller with On-Screen Display (OSD) for all operations of the MDVR  
**Storage** .....60, 80, and 100 (2.5-in. mobile anti-vibration and shock resistance HDD support)  
**Signal System**.....NTSC/PAL  
**Input Voltage** .....12-volt DC or 24-volt DC (can range from 7v ~ 28v DC)

### VIDEO:

**Camera Input** .....up to 4 cameras  
**Output**.....2 Analog and 1 VGA  
**Display**.....4 Video Windows Screen  
**Image Quality**.....8 – Level Adjustable  
**Fwd/Playback speed**...x2, x4, x1/2, x1/4  
**Stream Standard** .....ISO1449  
**Record Resolution** .....CIF(352×288 pixels), 1/2D1 (704×288 pixels)  
**Image Compression**....12.5K-112.5KB/s, 25K-150KB/s  
**Max FPS** .....30FPS, 15 fps/ch  
**Display Res**.....TV monitor 704×576 pixels, VGA output 720×576 pixels

### AUDIO:

**Audio Input** .....4  
**Audio Output** .....1

### ALARM:

**Input**.....Up to 9 sensor inputs  
**Multi-mode** .....Auto-reset after power-break, auto-alarm when missing signal input.

### NETWORK INTERFACE:

**Serial Interface** .....RS485, RS232  
**Network interface** .....RJ-45 10M / 100M Ethernet connector  
**Network Transport Protocol** TCP / IP

### OTHERS:

**External Notebook PC** .HDD Bay --1 IDE HDD, FAT32 format,  
**Storage mode** ..... 3.5" HDD  
**Time Clock** .....Built-in clock, Perpetual calendar  
**Data R/W mode**.....FIFO  
**Operating Temp**.....0~50℃  
**Humidity** .....≤80%  
**USB**.....Connection to PC