HD MOBILE DIGITAL VIDEO RECORDER

MAIN FEATURES

- Supports 6 Cameras
- 2 High Definition Camera inputs
- 4 Analog Camera Inputs
- H.264 Video Compression
- Built-in GPS interface for Google Maps
- Support 3/4G Wireless and/or Wi-Fi
- Storage Capacity: One SD Card and One 2.5” HDD
- Support SDHC (up to 32GB), HDD (up to 2TB)
- Hot Swapping Recording Media Support with Key
- Dual Recording with SD Card and Hard Drive
- G-force Sensor 3-Axis Accelerometer Sensor
- Emergency/Panic Recording by Sensor and/or Manual Event Button
- MDVR Status Indication Box
- Panic Stop Indication
- Over Speed Indication
- Multi Resolution Recording/Smooth Reverse Playback/ Various Search Methods
- Quick Acceleration Indication
- External Module for Interface Support
- Remote Controlling using IR or RS-485
- Operation Temperature (Ambient Temp.:-4/140 F, -20/60C)
- OS : Embedded Linux (2.6)
- CE/FCC/E-mark (class B) certificated
- Built in Wi-Fi (B-G)
- Including Super-Cap for unexpected shut down
- Real-Time Video Streaming
- Cold Starting Heater (12/24 Volts)
- 2 Microphone Inputs
- Operating Voltage 9-35 Volts (Surge 60 Volts)

INPUTS /OUTPUTS

- 6 Camera Video Inputs 2-HD 4-Analog
- 2 Channel Microphone Inputs
- 2 Discreet Inputs (Brakes, Turn Signals, Event Button Etc.)
- Indication Box with LEDS and Microphone Input
- Monitor Output with Audio and Video
- GPS Antenna
- Audio / Video Output
- +12Vdc Aux Output
- Ethernet Connection
- 2 USB (2 Front)

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FRONT HD MOBILE DIGITAL VIDEO RECORDER

1. Lock for Power and Hard Drive
2. SD Card Slot
3. Monitor Jack
4. Infrared Remote Receiver
5. Hard Drive Storage LED
6. Power LED
7. High Definition Camera Two Active LED
8. High Definition Camera One Active LED
9. Analog Cameras Active LED's
10. Hard Drive Storage Rack
11. Two USB Jacks

Dimensions 6"Width X 2" Height X 7" Depth

REAR CONNECTIONS (HD MOBILE DIGITAL VIDEO RECORDER)

1. DC Power Connection
2. 12 Volt Aux Power Connection
3. High Definition Camera Inputs 1 and 2
4. Sensor Inputs 1, 2
5. One Relay Output
6. GPS Connector
7. Debugging Jack
8. Indication Box Connector
9. Ethernet Jack
10. Analog Camera Inputs V3,V4,V5 and V6

POWER MANAGMENT

Super Capacitors

- **Built in Super Capacitors.**
- **Up to 10 seconds more operation after Power Fail.**
- **Provides MDVR complete recording even upon unexpected power fail.**

American Transit Video Solutions Inc.

Competitors

Competitors Systems Can't Finish Recording & Indexing If Power Fails Causing up to 5 Minutes of Critical AUDIO and VIDEO LOSS

Power Monitoring Block

POWER SAVING MODE

- Monitoring power source from the battery of the vehicle is used for the automatic shut off when the voltage drops under the voltage threshold.

CAMERA POWER

Camera Power

- Camera power is filtered protecting all cameras from voltage spikes

AUTOMATED DIGITAL CONCEPTS

EXCLUSIVE FEATURES

Designed with Highest Standard Features

- The Mobile Digital Recorder has Dual Recording (Mirror/Backup) and it records on the hard drive and the SD card at the same time. The hard drive is for long term storage and the Solid State SD Card is for short term recording and quick access for playback.
- The GPS updates the vehicle location every one second so on playback the vehicle's location is displayed on Google Maps during playback.
- The Indication Box has two LED displays. The green LED displays that the MDVR is powered up, and the red LED displays any error conditions with the MDVR. The event button enables the operator to mark critical events. The microphone allows the MDVR to clearly record all conversations and interactions within the vehicle, and has built in noise filtering and a Limiter/Compression circuit for clear audio recording.
- The MDVR has two High Definition Camera Channels and four Analog Camera Channels
- The MDVR supports two Microphones
- The MDVR has a built in G-Force sensor, that detects impacts
- All cameras are vandal-proof constructed of metal and security screws
- All cameras have specialized lens for optimal performance
- Exterior cameras are weather-proof with infrared LED's and security locking screws
- All interior cameras have infrared LED's for viewing in total darkness and have 750 lines of resolution
- The Road View Camera displays stop signs, traffic lights, license plates and intersections in high definition
- The front to rear camera views are recorded in high definition
- The MDVR logs panic stops, over-speed indications, vehicle speed, direction and quick acceleration
- The MDVR has an audio video inspection/playback jack on the front of the MDVR for easy connection of an Auxiliary Monitor
- The MDVR supports up to a 2 Terabyte 2.5" Hard drive and up to 32 Gig SD Cards
- The MDR has Super Capacitors so in the event of a power failure the MDVR can finish its last 30 seconds of recording, finish writing the indexing key, and then does a soft shut down.
- We provide complete installation services.
- Free Firmware and Software updates.

AUTOMATED DIGITAL CONCEPTS