DMB-04S

H.264/SVC Next Generation Mobile DVR, 4 ch. video and 4ch. audio channel with 16GB SD Card

Unlike any other system the Aventura Mobile DVR can operate under the most extreme operating environments. From arctic to desert temperatures the DVR runs flawlessly.

Aventura's Mobile DVR are designed for harsh environments, it includes a built-in Intelligent power switcher that can operate from 9V~36 VDC-IN. The On / Off delay switch allows automatic system shut down.

Features

- H.264/SVC Video Compression (MPEG4 Part 10)
- Next generation codec offering compression ratio's far higher than equivalent MJPEG/MPEG1/2/4 and wavelet systems
- Full control over encoding bitrate (user selectable from 64-2Mbps) and encoding type (variable or fixed)
- Real-Time display/record in all channels
- Supports following resolution: NTSC/PAL 4CIF, DCIF, 2CIF, QCIF
- High-Speed Embedded System
- Hot Swappable SD Card Storage (Up to 16 GB)
- Synchronized Monitoring, Recording, Playing
- Support 2-ch synchronized playback
- Supports playback, rewind, fast forward, pause, frame by frame, etc.
- GPS built-in
- Accelerometer (optional)
- Remote Central Wireless Management Software (Optional)
- 802.11g wireless technology support (Optional)
- Alarm Input & Output Support. (Optional)
- Fast Search and Playback
  High Speed 100M Ethernet
  Supports remote high-speed transmission of real-time pictures and file backup
  Over voltage protection
  Anti-vibration and shock resistant
  Friendly Graphical User Interface

Options:

- GPRS
- Accelerometer
- Remote Management Server
- AdHoc Networking (Vehicle side)
- Base Station Side Antenna/Transmitter (AdHoc Networking)
- Wireless LAN (802.11)
- Vehicle Side Antenna (802.11)
- Base Station Side Antenna/Transmitter (802.11)

- **Real-time display & record**
- **4 channels of audio & video**
- **16 GB SD Storage**
- **Small form factor**
- **4CIF (7 FPS), DCIF (15 FPS), CIF (30 FPS)**
- **802.11g wireless technology (optional)**
- **Live remote viewing**

AVAILABLE MODELS

Part number	Description
DMB-04S	H.264 Mobile DVR, 4 video and 2 audio channels with 16 GB SD Card

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SPECIFICATIONS

HARDWARE INTERFACE

Operating System	RTOS (Real Time Operating System)
Video System	NTSC/PAL
Compression	H.264 SVC
Streaming Compression	H.264 SVC Dual Streaming
Display Resolution	Real-time: 704 x 480 (NTSC), 720 x 576 (PAL)
Record Resolution	4CIF/DCIF/CIF 704 x 480/528 x 320/352 x 240 (NTSC) / 704 x 576/528 x 384/352 x 288 (PAL)
Record Frame Rate	Global: 120 FPS Per channel max. (NTSC/PAL): 4CIF (704x480) 7 FPS / 4 CIF (704x576) 6 FPS DCIF (528x320) 15 FPS / DCIF (528x384) 12 FPS CIF (352x240) 30 FPS / CIF (352x288) 25 FPS
Video Bitrate	32 Kbps~2 Mbps. User defined/variable
Video Input Channels	4 Channel (2.0~2.4 Vp-p, 600 Ω) UTP
Video Output	1 Channel (1.0Vp-p 75 Ω) UTP
Audio Input	2 Channel (1.0Vp-p 1k Ω) UTP
Audio Output	1 Channel (2.0~2.4 Vp-p, 600 Ω) UTP
Audio Compression	Ogg Vorbis
Audio Bitrate	16 Kbps
Sensor Inputs	7 ch. electrical level signal input 1 ch. pulsing signal input
Alarm Outputs	2
Standard Storage	16 GB SD Card
Max Sorage Support	16 GB SD Card
USB	1 USB 2.0 port (USB Flash Drive, USB Hard Drive, DVD-RW or CD-RW)
Communication Interface	1 RJ-45 (10/100 Ethernet), 1 RS485
Wireless Network Interface (optional)	2 SMA wireless network antennas
GPS Interface (optional)	Built-in GPS module, 1 SMA antenna
Network Protocol	DHCP, PPPoE, Static IP, TCP/IP
Remote Control	Included
Control Interface	Remote control or remote client software
DVR Interface	Pentaplex (live display, record/playback, network simultaneously)
Motion Detection Record	Yes (multi area setup for each individual camera)
Recording Options	VBR, CBR, adjustable frame rate, manual, scheduled, motion detection, and alarm

SOFTWARE

Web Client Software	Included
Remote Client Software	Included
Language	English

ELECTRICAL & ENVIRONMENTAL

Vehicle Power Input	9~36 VDC
Power Output	12 VDC, 5 VDC output, built-in resettable fuse
Power Consumption (without HDD)	<10 Watts
Power-Off Delay	Shut down delay after ignition is off (5 mins~6 hours)
Scheduled On/Off	Daily scheduled power on/off (00:00~24:00)
Working Temperature	14ºF to 131ºF (-10ºC to 55 ºC)
Working Humidity	10~95% RH

PHYSICAL

Weight	2.2 lb
Dimension (W x H x D)	6" x 1.8" x 4.1" (155 x 45 x 105 mm)
Regulatory Type	CE, FCC, UL

Warranty (Effective Jan 1, 2009)

3 Years

DMB-04S
Rev: 070810