

MICRO POCKET DVR II

Record video and audio anytime, anywhere in pocket

Micro Pocket DVR, a solid state DVR, is one dedicated battery powered DVR designed for portable, mobile DVR applications. It is a go-anywhere mini-standalone Micro DVR with high resolution, DVD quality video and external CCD/CMOS camera support. Micro DVR provides scalable video and audio compression to record up to 32 hours in Full D1 quality on solid state drives. The record time could be much longer if motion detection is active or lower frame rate is used in surveillance. Generally, there are six level record modes, LQ/EP/LP/SP/HQ/UQ for record options. Interface to integrate with other system, customized video resolution, bit rate, motion detection, time stamp, video Lap Timer, LANC and GPS are also available.

MICRO DVR is small enough to fit in your hand and offer broadcast quality video. It uses solid state drive, removable Compact Flash Card. There are various CF cards for option now in market. FAT32 standard file system is used in video storage, therefore the video files can be synchronized to any PC via card reader, PCMCIA interface or Ethernet.

Besides of battery, AC power is also available and can be swapped with battery any time without the interruption of operation of Micro DVR. Meanwhile, Micro DVR also supply power to any external camera with adjustable output voltage. The Micro DVR comes with Industrial Lion polymer battery for stand-alone power and replaceable. It will be charged automatically by on board charger while AC power is used. Car cigarette power adapter can also be used to power Micro DVR or charge battery.

Micro DVR digitizes analog video into crisp Full D1 video stream at a full frame rate up to 8Mbps/s. The compressed video and audio are transferred to CF disk synchronously. As the MPEG-2 file is fully MPEG-2 compliant, it can be used for view, video editing or DVD playback directly. Micro DVR also offers advanced event handling with video motion detection, alarm notification, Lap Timer and professional LANC remote interface. Micro DVR also features LED, vibration or Buzz for status indication.

Micro DVR can be used in almost unlimited number of situations, like digital security surveillance, remote monitoring, spy, car racing, helicopter, buses, wildlife filming and extreme sports etc.



Features:

- ◇ Battery powered for portable, mobile DVR applications
- ◇ Uninterrupted battery and AC power swap for Micro DVR
- ◇ Capture Video & Audio in live on spot
- ◇ Support MPEG-4/2 video format for longest record time
- ◇ Video Bit Rate :1M up to 10Mbps, DVD and broadcast quality
- ◇ Frame Rate : PAL(25fps), NTSC(30fps)
- ◇ Support PAL/NTSC/SECAM video standard
- ◇ Resolution : Full-D1(720x576), SIF, CIF
- ◇ Normal Record and Circular Record modes
- ◇ On-board IR remote controller
- ◇ LANC remote control interface
- ◇ Ethernet connection as Video Server
- ◇ Hot swappable AC adapter or Internal Rechargeable Battery
- ◇ Large capacity Lion Polymer Battery
- ◇ On-board battery charge circuit
- ◇ Offer power to camera & MIC
- ◇ Record on removable CF Flash Card
- ◇ No moving parts, no tape
- ◇ Multi-Color LED for visible status
- ◇ Micro Vibration Motor status or Buzz warning
- ◇ Time and date stamp and OSD
- ◇ Handheld size
- ◇ Only 220g weight with battery and CF card
- ◇ Video input, Stereo Audio/MIC input
- ◇ Ethernet interface and Video Server
- ◇ Optional on-board GPS data overlay over video
- ◇ Optional G-Force sensor as accelerometer, motion recording
- ◇ Optional video Lap Timer for car/motorcycle racing
- ◇ Linux OS and upgradeable firmware
- ◇ Support Windows 98/ME/NT/2000/XP/Vista for Playback

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Power :

AC Adapter : 12VDC 1A, 110-240VAC Adapter
 Internal Battery : 1x Lion polymer rechargeable battery, 3500mAH.
 Camera & MIC : 12V 250mA output, 5-12V adjustable
 Consumption : ~300mA at 12VDC while recording

Video :

Video Stream : MPEG-4/2
 Resolution : Full-D1 - PAL:720x576, NTSC:720x480
 SIF - 352x240 (NTSC)
 CIF - 352x288(PAL)
 Bit Rate : 1M-10Mbps/s, six level adjustable
 Frame Rate : PAL(25fps), NTSC(30fps)
 GOP : IP, IBP, IBBP
 Standard : PAL/NTSC/SECAM
 Picture : Brightness/Contrast/Saturation Adj.
 Circulation Rec. : Single File or Full Disk modes

Audio :

Sampling : 8/16/32/48KHz, 16bits
 Format : PCM/ADPCM
 Channels : 2, with Automatic Gain Control
 MIC : 2.2VDC Bias, 2.2Kohm, <0.7VRMS
 On-board MIC. All MIC gain adj.

Interface :

AV : Lock Connector. MiniUSB to AV optional
 Video In : RCA, 1Vpp, 75ohm, S-Video optional
 Audio/MIC In : Mono or Stereo, 3.5mm Phone Jack
 <0.7VRMS typical, 20Kohm
 Power : 4.2mm O.D. x 1.3mm I.D.,
 DC Power Jack
 Camera Power : 5.5mm Jack
 Video Lap Timer : 2.5mm external beacon receiver optional
 LANC Control : 2.5mm LANC Jack
 DIO : 2 digital I/O optional
 Serial Port : 1 RS232 optional
 GPS : MMCX Female optional
 Ethernet : 10/100 Base-T Ethernet
 Button : Record, Stop and Up/Down push button
 Remote Control : IR onboard or external beacon receiver
 Visible : Multi-color LED
 Alert : Buzz or Motor Vibration optional
 LCD : 2.4" TFT Preview
 Motion Detection : Video, GPS and G-Force

GPS :

Frequency : L1 Frequency, 51 Channels
 Update Rate : 5Hz
 Antenna : 2 meters with magnet bottom

G-Force :

Accelerometer: +/-2g, +/-8g

Software :

Firmware : Upgradeable, Linux OS.
 Desktop: : Synchronize Desktop Utility

Storage :

CF Card : 512MB-32GB expandable
 Disk Format : FAT32

Configuration :

LCD : LCD Menu on board
 PC : Via CF card or Ethernet

System requirements (Playback):

- Pentium III 800 or above
- RAM: 128MB
- HDD: 2GB free disk space
- USB 2.0 Interface
- USB 2.0 Flash Card Reader
- PCMCIA Interface
- Monitor resolution: 1024x768
- DirectX 9.0 support
- OS: Windows 98/Me/2000(SP4)/XP(SP2)/Vista

Physical and Environment

Size: 87x70x23.5mm (Board: 83x60mm)
 Sand blast black aluminum
 with Belt Clip
 Weight: 220g (Include battery and CF Card)
 Temp.: 0°C to 50°C in flow air and shadow

Accessories

Button/Bullet Camera:
 1/3" Sony CCD/420/520TV lines/0.5Lux
 IRIS RCA Jump Cable, AC Power Adapter, LANC Remote Control, Video Monitor, 12V DC Battery Pack Holder, Cigarette Lighter Adapter, High Gain Microphone etc.

*Accessories is optional and sold separately.



- * All specifications are subject to change without notice.
- * Accessory supply may be different for different product option.
- * Actual object may differ from what you see from the catalog.