

H264 MICRO POCKET DVR

Record & replay video and audio anytime, anywhere in pocket

H264 Micro Pocket DVR, a solid state DVR with advanced H264 codec, 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. H264 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 three level record modes, EP/LP/SP for record options. Interface to integrate with other system, customized bit rate, time stamp, video Lap Timer, LANC are available. Furthermore, it provide AV output of replayed video and snapshot.

H264 Micro DVR uses solid state drive, removable SD (Secure Digital) or SDHC Card. There are various SD 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 or Ethernet.

The H264 Micro DVR comes with Industrial Lion polymer battery for standalone power. It will be charged automatically by on board charger while AC power is used. 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. Car cigarette power adapter can also be used to power Micro DVR or charge battery.

H264 Micro DVR digitizes analog video into crisp Full D1 video stream at a full frame rate up to 3Mbits/s. The compressed video and audio are transferred to SD/SDHC card synchronously. As the H264 file is fully H264 compliant, it can be used for direct view and video editing. 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, or Buzz for status indication.

H264 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.



**H264
Encoder
and
Decoder**

Features:

- ◇ Battery powered for portable, mobile DVR applications
- ◇ Capture and replay Video & Audio on spot
- ◇ Support H264 video format for longest record time
- ◇ Video Bit Rate: up to 3Mbps, DVD and broadcast quality
- ◇ Frame Rate : PAL(25fps), NTSC(30fps)
- ◇ Support PAL/NTSC/SECAM video standard
- ◇ Resolution : Full-D1(PAL: 720x576/NTSC: 720x480)
- ◇ 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
- ◇ Low power consumption up to 6 hour recording
- ◇ On-board battery charge circuit
- ◇ Offer power to camera & MIC
- ◇ Record on removable SD/SDHC Flash Card
- ◇ No moving parts, no tape
- ◇ Multi-Color LED for visible status
- ◇ Analog Audio/Video output while replay
- ◇ Time and date stamp and OSD
- ◇ Handheld size
- ◇ Direct QuickTime and VLC replay support
- ◇ Take photo with snapshot and save in JPEG file.
- ◇ Only 220g weight with battery and SD card
- ◇ Video input, Stereo Audio/MIC input
- ◇ 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 : 140mA at 12VDC while recording

Video and Photo :

Video Encoder : H.264/AVC Main Profile Level 3
 Video Decoder : H.264 bit streams
 Resolution : Full-D1 - PAL:720x576, NTSC:720x480
 Bit Rate : 600K-2Mbits/s, VBR, 3 level adjust.
 Frame Rate : PAL(25fps), NTSC(30fps)
 GOP : H264:IPB , QuickTime:IP
 Standard : PAL/NTSC/SECAM
 Picture : Brightness/Contrast/Saturation Adj.
 Circulation Rec. : Single File or Full Disk modes
 Photo : Jpeg, PAL:720x576, NTSC:720x480

Audio :

Sampling : 48KHz, 16bits
 Format : AAC
 Channels : 2, with Automatic Gain Control
 MIC : 2.2VDC Bias, 2.2Kohm, <0.7VRMS
 On-board MIC. All MIC gain adj.
 Speaker : 8ohm, 0.5W

Interface :

AV : Lock Connector
 Video In : RCA, 1Vpp, 75ohm, S-Video optional
 Video Output : RCA, 1Vpp, 75ohm, S-Video optional
 Audio/MIC In : Mono or Stereo, 3.5mm Phone Jack
 <0.7VRMS typical, 20Kohm
 Audio Output : Stereo, 3.5mm Phone Jack
 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
 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 and Replay
 Motion Detection : Available in the future

Software :

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

Storage :

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

Configuration :

LCD : LCD Menu on board
 PC : Via SD 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
- SD card 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: 200g (Include battery and SD 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.