

# POCKET DVR

Record video and audio anytime, anywhere in pocket

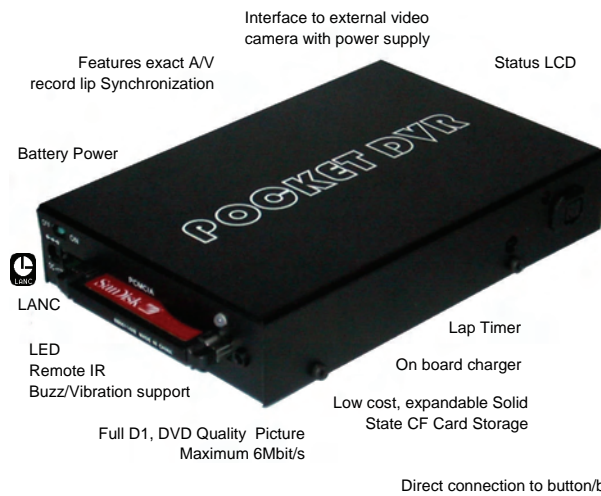
**P**ocket DVR, a solid state DVR, is one dedicated battery powered DVR designed for portable, mobile DVR applications. It is a go-anywhere mini-standalone pocket DVR with high resolution, DVD quality video and external CCD/CMOS camera support. Pocket DVR provides scalable video audio compression to 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 video resolution, bit rate, motion detection, time stamp, Video Lap Timer and LANC are also available.

Pocket 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 accessed by any PC via card reader or PCMCIA interface.

Besides of battery, AC power is also available. The Pocket DVR comes with Industrial Lion battery for standalone power and replaceable. It will be charged automatically by on board charger while AC power is used. Battery and AC power can be swapped any time without the interrupt of operation of Pocket DVR. Car cigarette power adapter can also be used to power Pocket DVR or charge Lion battery.

Pocket DVR is based on embedded powerful ARM processor with advanced hardware MPEG 4/2/1 and RTOS (Linux). It digitizes analog video into crisp, real-time MPEG 4/2/1 or video stream at a full frame rate of 30/25 frames per second. 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. It also offers advanced event handling with video motion detection, alarm notification and IR remote control. Pocket DVR also features LED, vibration or Buzz for status indication.

Pocket 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.



The World's First Battery Powered Pocket DVR with Hardware MPEG-4/2 Encoder

## Features:

- ◇ Battery powered for portable, mobile DVR applications
- ◇ Uninterrupted battery and AC power swap for Pocket DVR
- ◇ Capture Video & Audio in live on spot
- ◇ Support MPEG-4/2/1 video format for longest record time
- ◇ Video Bit Rate : 1M up to 8Mbps, DVD and broadcast quality
- ◇ Frame Rate : PAL(25fps), NTSC(30fps)
- ◇ Support PAL/NTSC/SECAM video standard
- ◇ Resolution : Full-D1, Half-D1, SIF, CIF
- ◇ Normal Record and Circular Record modes
- ◇ Support ADPCM Audio Format
- ◇ Audio Sampling : 8/16/32/48KHz
- ◇ On-board IR remote controller
- ◇ Non-directional wireless control optional
- ◇ LANC control
- ◇ AC adapter or Internal Lion Recharge Battery
- ◇ On-board battery charge circuit
- ◇ Offer power for 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 260g weight with battery and CF card
- ◇ Video/Audio input
- ◇ Optional video Lap Timer for car/motorcycle racing
- ◇ Linux OS and upgradeable firmware
- ◇ Support Windows 98/ME/NT/2000/XP/Vista for Playback

# POCKET DVR

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## Power :

AC Adapter : 12VDC 500mA, 110-240VAC Adapter  
 Internal Battery : 1x3.7V Lion rechargeable battery, 2000mAH.  
 Camera & MIC : 12V 200mA output, 5-12V optional  
 Consumption : ~300mA at 12VDC while recording

## Video :

Video Stream : MPEG-4/2, MPEG-1 is optional  
 Resolution : Full-D1 - PAL:720x576, NTSC:720x480  
 Half-D1 - PAL:576x352, NTSC:480x352  
 SIF - 352x240 (NTSC)  
 CIF - 352x288(PAL)  
 Bit Rate : 1M-8Mbps, four level adjustable  
 Frame Rate : PAL(25fps), NTSC(30fps)  
 GOP : IP, IBP, IBBP  
 Standard : PAL/NTSC/SECAM, Composite  
 Picture : Brightness/Contrast/Saturation Adj.

## Audio :

Sampling : 8/16/32/48KHz, 16bits  
 Format : PCM/ADPCM  
 Channels : 2  
 MIC : 2.2VDC Bias, 5.1Kohm, <0.3Vpp Max.

## Interface :

Video In : IRIS/RCA, 1Vpp, 75ohm.  
 S-Video optional  
 Audio In : IRIS, Mono, MIC or stereo MIC  
 Stereo, 3.5mm Phone Jack optional  
 <1.8Vpp Max., 4.7Kohm  
 Power : 4.2mm O.D. x 1.1mm I.D.,  
 DC Power Jack  
 Camera Power : IRIS  
 : IRIS RCA jump cable with 5.5mm Jack  
 Video Lap Timer : 2.5mm external beacon receiver optional  
 LANC Control : 2.5mm LANC  
 Button : Record, Stop push button  
 Remote Control : IR onboard or external beacon receiver  
 Wireless Control : 315/430MHz Wireless optional  
 Visible : Multi-color LED  
 Alert : Motor Vibration/Buzz optional  
 Ethernet : 10/100 Base-T Ethernet, RJ-45 optional  
 LCD : Status Display, 2 x 8  
 Motion Detection : Optional  
 Circulation Rec. : Single File or Full Disk modes

## Software :

Firmware : Upgradeable, Linux OS.

## Storage :

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

## Configuration :

LCD : LCD Menu on board  
 PC : Via CF card

## 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

123x82x26mm (Include battery)  
 Sand blast black aluminum

## Weight

260g (Include battery)

## 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.

\*Accessories Is optional and Sold separately.



\* All specifications are subject to change without notice.  
 \* Accessory supply may be different for different market.  
 \* Actual object may differ from what you see from our catalog.