

# Portable Medical Video Recorder

Make Medical Imaging Easy and Simply Brilliant in Pocket

**P**ortable HD MediDVR, a medical grade dual interface full HD Video Recorder, is industry's first and most affordable, standalone, compact and versatile high definition recorder solution. It combines superior image and video quality, extensive easy control, various removable storage medias and a range of innovative features.

It is standalone recorder, internal battery can supply surgical recording up to 5 hours. External medical grade power adapter can be connected for longer recording time or fully charge the battery in 2 hours alone. It is as small as palm that you can take it anywhere.

Portable MediDVR can record high-definition crisp 1080p video from endoscope, arthroscopy, surgical camera, C-Arms, ultrasound etc. Saves extremely clear still images and videos to external USB HDD, USB Flash, SD Card or network. With external HDD, it can record highest quality HD video up to two weeks. Three level record qualities are available. External gain adjustable omni-directional microphone, buzzer and color LED feedback are also available.

Meanwhile, MediDVR supports real time streaming by connecting to the hospital network. It enables the live transmission of procedures to other practitioners or students outside of the operating theater for training or monitoring purposes on PC or iPad/iPhone.

Portable MediDVR is small size, universal and easy operation, no special training is required. It is just plug and play. It has universal video connectivity and compatibility, the dual video input formats enable compatibility and integration with virtually all modern surgical system manufactures. It accepts DVI, HD/3G SDI, and HDMI as well as 1080i50/60 or 1080p50/60. It also has SDI loop output.

The MediDVR can be used in almost unlimited number of situations, the major application is in medical imaging. No longer limited to paper or film-based images, and no longer any need for cumbersome DVD disks. The MediDVR allows you to easily record digital video and images directly to a flash drive or hard drive. You can archive and share your recordings on a secure hospital networks, enhance them with third-party editing programs, etc.

MediDVR is designed for using in any medical environments.



## Features:

- ◇ Easily record crisp 1080p video and images
- ◇ 5hr standalone video recording
- ◇ High quality HD video in H.264 or MPEG4 format
- ◇ Still Image Photo and DICOM support
- ◇ Optimized recording for medical image process
- ◇ mp4, mov video format all supported
- ◇ Foot switch supported for remote control
- ◇ The video formats support most of video edit software
- ◇ Instant replay to preview monitor or LCD
- ◇ Simple to use, no special training required
- ◇ HDMI and SDI input
- ◇ Universal storage, works with all major USB Flash Drive, SD Card, USB HDD
- ◇ Support Full HD video up to 1080p@60fps
- ◇ Both HD and 3G SDI video input supported
- ◇ SDI loop output
- ◇ 3 level gain adjustable Omni-directional microphone
- ◇ Patient information input and management
- ◇ Network supported for live video streaming on any devices
- ◇ Shortcuts to quickly switch video source and storage media
- ◇ Small size, low cost and high quality
- ◇ upgradeable firmware



# Portable Medical Video Recorder

Record medical video anywhere and anytime

## Power :

Power Adapter : AC 110-240V, 50/60Hz  
12VDC 2A, Medical Grade

## Video and Photo :

Video Encoder : H.264/HP, MPEG-4/SP  
Resolution : 1920x1080@25/30/50/60fps  
1280x720@50/60fps  
480i/576i, 1080i@50/60  
SMPTE 296M/274M/292M,425M/424M  
DVI/HDMI all resolution  
Bit Rate : Max. 12Mbps/s, 3 level adj.  
Frame Rate : 24/25/30fps, 50/60fps  
Codec : H.264/MPEG4, mp4/mov file format  
Rate Control : CBR/VBR  
Photo : Jpeg, DICOM, BMP  
Streaming : RTSP

## Audio :

Sampling : 16KHz, 16bits  
Codec : AAC Stereo  
Channels : 2, with Automatic Gain Control  
MIC : 2.2VDC Bias, 2.2Kohm, <0.7VRMS  
-36dB. MIC gain adj.

## Interface :

HD/3G SDI Input : 1x BNC, 75ohm, 800mVpp  
DVI Input : via HDMI/DVI adapter or cable  
HDMI Input : 1 x TYPE A, Receptacle  
Preview : LCD  
SDI Loop Output : Loop out HD/3G SDI, 75ohm, 800mVpp  
Audio In : 2CH, 2 x 3.5mm Jack, 20Kohm higher  
Audio Out : 2CH, 2 x 3.5mm Jack  
Network : RJ45, 10/100 Ethernet  
Network Stack : RTSP  
USB : 3 x USB 2.0  
SD : TF/MicroSD  
Visible : Color LED  
Alert : Buzz  
LCD : 2.4" TFT for video preview  
Button : Top 2 and side 3 directional

## Software :

Firmware : Upgradeable, Linux OS.

## Storage :

External : USB Flash Drive, USB HDD, SD  
Disk Format : FAT32, up to 2T  
\*All storage medias not included  
\*USB 3.0 Flash drive and class 10 TF recommended

## Configuration :

Setting : LCD  
Menu : Top and side buttons

## System requirements (Playback):

- USB 3.0 Interface
- USB 3.0 SDHC Card Reader
- USB 3.0 SATA Reader
- 100 Base-T Ethernet
- Monitor resolution: 1920x1080

## Physical and Environment

Size : 102 x 82 x 39mm(4" x 3.2" x 1.2")  
Aluminum case  
Weight : 320g (11oz)  
Operating: 0°C to 45°C(32°F to 113°F)  
Storage : -20°C to 60°C(-4°F to 140°F)

## Certification

Ongoing

## Accessories

Power Adapter  
DVI to HDMI Adapter or Cable optional  
User Guide  
\*USB Foot Switch  
\*Accessories is optional and sold separately.



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