

HD Medical Video Recorder

Make Medical Imaging Easy and Simply Brilliant

The HD MediDVR, a medical grade all interface in one full HD Video Recorder, is industry's most affordable and versatile high definition recorder solution. It combines superior image and video quality, all versatile inputs, extensive easy control, various removable storage medias and a range of innovative features.

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 an internal removable HDD, external USB HDD, USB Flash, SD Card or network. With HDD, it can record highest quality HD video up to two weeks. Three level record quality is available. On board gain adjustable omni-directional microphone, buzzer and full color LED feedback are also available.

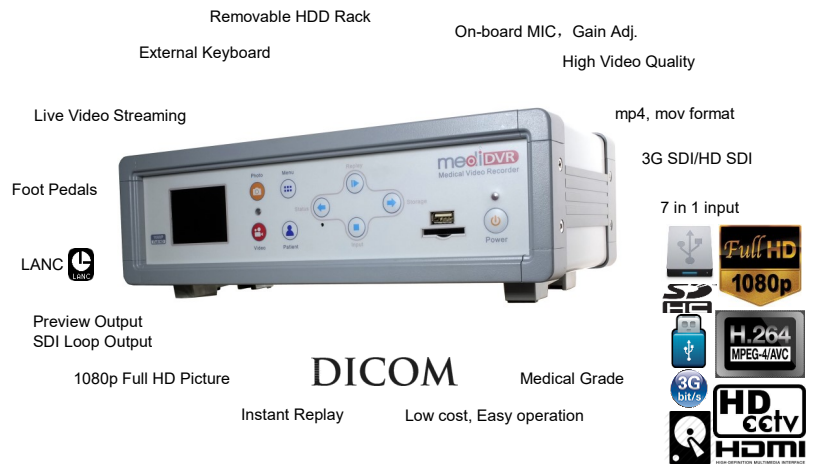
Meanwhile, MediDVR supports real time streaming plus two way audio by connecting to the hospital network. It enables the live transmission of procedures to other practitioners or students outside of the operating theater for training or monitoring purposes.

MediDVR is small size, universal and easy operation, no special training is required. It is just plug and play. Besides the foot pedals, LANC remote control is also available, it can provide extension cable length and recording status feedback. The front panel is fluid resistant.

MediDVR has universal video connectivity and compatibility, the multiple video input formats enable compatibility and integration with virtually all surgical system manufactures. It accepts a wide range of video interfaces and types: CVBS, YPbPr, DVI, VGA, S-Video, HD/3G SDI, HDMI as well as 1080i50/60 or 1080p50/60. It also has SDI loop output and local DVI preview 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 fully certificated for using in any medical environments.



Features:

- ◇ Easily record crisp 1080p video and images
- ◇ High quality HD video in H.264 or MPEG4 format
- ◇ Still Image Photo and DICOM support
- ◇ mp4, mov video format all supported
- ◇ The video formats support most of video edit software
- ◇ Instant replay to preview monitor or LCD
- ◇ Simple to use, no special training required
- ◇ Universal interface, works with almost all video interfaces
- ◇ Universal storage, works with all major USB Flash Drive, SD Card, USB HDD and SATA HDD
- ◇ Support Full HD video up to 1080p@60fps
- ◇ Both HD and 3G SDI video input supported
- ◇ DVI preview output and SDI loop output
- ◇ 3 level gain adjustable Omni-directional microphone
- ◇ Unique LANC remote control with extensible cable
- ◇ Foot pedal supported with single or dual options
- ◇ Internal removable SATA HDD up to 2TB
- ◇ 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



Medical Grade Video Recorder

All universal interfaces in one MediDVR

Power :

Power Adapter : AC 110-240V, 1A 50/60Hz
3 prong AC Jack
Medical grade power filter and supply

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/VGA/YPbPr all resolution
VGA: up to 1920x1200@60Hz

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 : 32KHz, 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
Component Input : 3x BNC, YPbPr,75ohm
VGA Input : 1 x 15 DE via DVI/VGA Adapter
DVI Input : 1 x DVI-D
CVBS Input : 1 x BNC, 75ohm, 1Vpp
S-Video Input : 1 x 4pin Mini-DIN
HDMI Input : 1 x TYPE A, Receptacle
Preview Output : 1 x DVI-D, Receptacle
SDI Loop Output : Loop out HD/3G SDI, 75ohm, 800mVpp
Front MIC In : Mono, Omni-directional
Back MIC In : 2CH, 2 x 3.5mm Jack, External
Audio In : 2CH, 2 x 3.5mm Jack, 20Kohm higher
Network : RJ45, 10/100 Ethernet
Network Stack : RTSP
USB : 3 x USB 2.0, 1 x front, 2 x rear
LANC Control : 2.5mm LANC Jack
Foot Pedal : 2 x 3.5mm Jack, 1x Photo, 1 x Video
Visible : Full-color LED
Alert : Buzz
LCD : 2.4" TFT for video preview
Button : Sealed Membrane, Fluid Resistant

Software :

Firmware : Upgradeable, Linux OS.

Storage :

Internal : 2.5" SATA HDD Removable Rack
External : USB Flash Drive, USB HDD, SD
Disk Format : FAT32, up to 2T
*All storage medias not included

Configuration :

Setting : LCD
Keyboard : External

System requirements (Playback):

- USB 2.0/3.0 Interface
- USB 2.0/3.0 SDHC Card Reader
- USB 2.0/3.0 SATA Reader
- SDHC card interface
- 100 Base-T Ethernet
- Monitor resolution: 1920x1080

Physical and Environment

Size : 320 x 166 x 110mm(12.6" x 6.5" x 4.3")
Aluminum case
Weight : 2.98kg (6lb 7.7oz) (No HDD)
Operating: 0°C to 45°C(32°F to 113°F)
Storage : -20°C to 60°C(-4°F to 140°F)

Certification

EN60601-1, IEC60601-1, FCC,CE

Accessories

- Power Cord
- DVI to VGA Adapter
- MediDVR User Guide
- *Single/Dual Foot Pedal
- *LANC Remote Control
- *USB SART HDD Dock Station



* 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.