

Medical Video Recorder

Make Medical Imaging Easy and Simply Brilliant



Medical grade video recorder, MD2 - the second generation mediDVR, is the 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 media and a range of innovative features.

MediDVR can record high-definition crisp 1080p video from endoscope, arthroscopy, surgical camera, C-Arms, ultrasound etc. Save extremely clear still images and videos to internal removable HDD, external USB HDD, USB Flash or network server. With HDD or NFS, it can record highest quality HD video up to two weeks or more. Three levels record qualities are available. On board gain adjustable omni-directional microphone, buzzer and full color LED feedback are also available.

New MediDVR has 4.3" resistive touch screen and user-friendly operation even with gloves. Live PiP and collage can be preview, switch, setup by touch UI. PiP that allows medical video and ECG displayed at the same screen and recorded. All recording, photo, patient, replay, storage status are available on screen. Physical buttons are also available besides the touch UI.

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.

MediDVR is 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, HDMI, YPbPr, VGA and S-Video as well as 1080i50/60 or 1080p50/60. It also has SDI, HDMI and even analog to HDMI 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.

Highlights:

- ◇ Record universal video into crisp 1080p video and image
- ◇ PiP video preview and record make ECG overlay possible
- ◇ Creative dual video inputs, live collage switch and preview
- ◇ Up to 20mbits/s high quality video codec in H.264 format
- ◇ Adaptive AAC audio codec for analog and embedded audio
- ◇ 4.3" LCD and resistance touch screen, friend to gloves and fingers
- ◇ QR code scan for direct remote control by mobile phone or PC
- ◇ DVI/HDMI/SDI inputs and embedded audio support
- ◇ Universal inputs with VGA, S-Video, YPbPr, S-Video analog support
- ◇ Automatic video input resolution, format detection*
- ◇ SDI loop out, HDMI and even analog to HDMI loop out support
- ◇ Still Image Photo and DICOM support
- ◇ Optimized recording for medical image process
- ◇ mp4, mov video format all supported
- ◇ Foot switch, hand switch supported for remote control
- ◇ The video formats support most of video edit software
- ◇ Instant replay to preview on LCD or monitor
- ◇ Simple to use, no special training required
- ◇ Universal storage, works with all major USB Flash Drive, USB HDD
- ◇ Internal removable SATA HDD up to 2TB
- ◇ Support Full HD video up to 1080p@60fps
- ◇ Both HD and 3G SDI video inputs supported
- ◇ Onboard and external microphone support, gain adjustable
- ◇ Powerful patient information input and management
- ◇ USB standard keyboard support for patient information and notes
- ◇ Live video streaming in LAN on any devices **
- ◇ Shortcuts to quickly switch video source and storage media
- ◇ Small size, low cost and high quality
- ◇ Cost effective and easy operation
- ◇ Medical grade and certificated.

Medical Grade Video Recorder

All universal input interfaces in one MediDVR

Specification

Power :

Power Adapter : AC 110-240V, 2A 50/60Hz
3 prong AC Jack
Medical grade power filter and supply

Video and Photo :

Video Encoder : H.264/AVC MP/HP
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. 20Mbps/s, 3 level adj.
Frame Rate : 24/25/30fps, 50/60fps
Codec : H.264, mp4/mov file format
Rate Control : CBR/VBR
Photo : Jpeg, DICOM, BMP

Network :

LAN : 100/1000M Base-T
Streaming : RTSP
WiFi6 : 802.11b/g/n/ac, 2.4/5.8GHz

Audio :

Sampling : 32-48KHz, 16bits
Codec : AAC Stereo
Channels : 2, with Automatic Gain Control
MIC : 2.2VDC Bias, 2.2Kohm, <0.7VRMS
-36dB. MIC gain adj.

Interface :

SDI Input : 1x BNC, 75ohm, 800mVpp, SD/HD/3G
DVI Input : 1 x DVI, Receptacle
HDMI Input : 1 x TYPE A, Receptacle
CVBS Input : 1 x BNC, 75ohm, 1Vpp
S-Video Input : 1 x 4pin Mini-DIN
VGA Input : 1 x 15 D-Sub
YPbPr Input : 3 x BNC via VGA
Preview : LCD 4.3"
Preview Output : 1 x DVI, Receptacle
SDI Loop Output : 1x BNC, 75ohm, 800mVpp, HD/3G SDI
HDMI Loop Out. : 1 x TYPE A, Receptacle
Audio In : 2CH, 2 x 3.5mm Jack, 20Kohm higher
Audio Out : 2CH, 2 x 3.5mm Jack
Network : RJ45, 100/1000M Ethernet
USB : 4 x USB, TYPE A, 2 x front, 2 x rear
Visible : 3 x Color LED
Alert : Buzz
Front MIC In : Two Channel, Omni-directional
Back MIC In : 2CH, 2 x 3.5mm Jack, External
Foot Pedal : 2 x 3.5mm Jack, 1x Photo, 1 x Video

Interface :

LCD : 4.3" IPS, Resistance Touch
Button : Sealed Membrane, Fluid Resistant
Remote : Mobile phone, PC, RESTFUL

Software :

Firmware : Upgradeable, Linux OS

Storage :

External : 2 x USB Flash Drive, USB HDD
Disk Format : FAT32, up to 2T

*All storage media not included
*USB 3.0 Flash drive recommended

Configuration :

Setting : LCD 4.3"
Menu : Touch Screen

System requirements (Playback):

- USB 3.0 Interface
- USB 3.0 SDHC Card Reader
- USB 3.0 SATA Reader
- 1000 Base-T Ethernet
- Monitor resolution: 1920x1080

Physical and Environment

Size : 300 x 211 x 97.5mm(11.8" x 8.3" x 3.8")

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

In progress

Ordering

30X31-01Y

X=4, 5

Y=0,1,2 HDD Size

Accessories

Power Cord x 1

User Guide

*YPbPr Cable

*Single/Dual Foot Switch

*USB Single/Dual/Triple Foot Switch

*USB Hand Switch

*USB SART HDD Dock Station

*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.

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