Portable Medical Video Recorder
Make Medical Imaging Easy and Simply Brilliant and Portable

Portable MediDVR, PMD2 - the second generation dual video input portable medical video recorder, is the 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 media, modern USB Type-C charger, tripod mount and a range of innovative features.

It is a standalone recorder, the internal battery can supply surgical recording up to 6+ hours. External medical grade power adapter or power bank can be connected for longer recording time or fully charge the battery in ~2 hours quickly while power off. It is as small as palm that you can take it anywhere with you.

Portable MediDVR can record high-definition crisp1080p 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 levels record qualities are available. External gain adjustable omni-directional microphone, buzzer and color LED feedback are also available.

New portable MediDVR has 4.3" resistive touch screen and user-friend operation even with gloves. Live PiP and collage can be preview, switch, setup by touch UI. PiP allow medical video and ECG displayed at the same screen and recorded. All recording, photo, patient, replay, storage status are available on screen. MediDVR can also be controlled remotely via mobile phone by simply scan the QR code on LCD.

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 an 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 network, enhance them with third-party editing programs, etc.

MediDVR is designed for using in any medical environments.

Highlights:

◇ Portable and easily record crisp 1080p video and images
◇ Low cost and easy operation
◇ 6hr standalone video recording
◇ Modern USB TYPE-
◇ C Power support
◇ Palm size, small form-factor, light and portable for filed and indoor
◇ Creative dual video inputs, live collage switch and preview
◇ Up to 20mbits/s high quality video codec in H.264 format
◇ 4.3" LCD and resistance touch screen, friend to gloves and fingers
◇ QR code scan for mobile remote control
◇ AAC audio encoder with
◇ DVI/HDMI/SDI embedded audio support
◇ Universal inputs with VGA, S-Video, YPbPr, S-Video analog support
◇ Automatic dual video input resolution, format detection
◇ SDI loop out, HDMI loop out support
◇ Support rtsp live video streaming in LAN
◇ Still Image Photo and DICOM support
◇ Optimized recording for medical image process
◇ mp4 and mov video format all supported
◇ Foot 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
◇ HDMI and SDI dual inputs and automatic detection
◇ 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
◇ Onboard and external microphone support, gain adjustable
◇ Powerful patient information input and management
◇ USB standard keyboard support for patient information and notes
◇ Shortcuts to quickly switch video source and storage media
◇ Small size, low cost and high quality
◇ Tripod mount
◇ Medical grade and

Portable Medical Video Recorder

Record medical video anywhere and anytime

Power :

Power Adapter	: USB TYPE C, up to 60W 20V 18V 2.2A DC Power, Medical Grade
Battery	: Lion, 19AH, Fast Charge
Consumption	: 18V@~1.15A max without ext. HDD

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. 20Mbits/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/ax, 2.4/5.8GHz

Audio :

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

Interface :

SDI Input	: 1x BNC, 75ohm, 800mVpp, SD/HD/3G
DVI Input	: via HDMI/DVI adapter or cable
HDMI Input	: 1 x TYPE A, Receptacle
Preview	: LCD 4.3" Full
SDI Loop Output	: 1x BNC, 75ohm, 800mVpp, HD/3G SDI
Audio In	: 2CH, 2 x 3.5mm Jack, 20Kohm higher
Audio Out	: 2CH, 2 x 3.5mm Jack
Network	: RJ45, 100/1000M Ethernet
HDMI Output	: 1 x mini, Receptacle
USB	: 3 x USB, TYPE A
Storage	: TF/MicroSD
Visible	: Color LED
Alert	: Buzz
LCD	: 4.3" IPS, Resistance Touch
Button	: 1x Video, 1x Photo
Remote	: Mobile phone, PC, RESTFUL

Software :

Firmware	: Upgradeable, Linux OS

Storage :

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

*All storage media not included
*USB 3.0 Flash drive and class 10 TF recommended

Configuration :

Setting	: LCD 4.3"
Menu	: Touch Screen

System requirements (Playback):

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

Physical and Environment

Size	: 131x 85 x 42mm(5.15" x 3.34" x 1.65") ABS
Weight	: 596g (1lb 5oz)

Operating: 0°C to 45°C(32°F to 113°F)
Storage : -20°C to 60°C(-4°F to 140°F)

Certification

Ongoing

Ordering

30X01-100
X=5, 6

[Accessories](#)

Power Adapter x 1
USB/C to DC Adapter x 1
DVI to HDMI Adapter or Cable optional
User Guide
*USB Single/Dual/Triple Foot Switch
*USB Handle 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.