



Forever Medical

HD MEDICAL VIDEO RECORDER



Surgical Microscope **Laparoscopy** **Ultrasound** **Endoscopy**

VIDEO SOURCE

Input **Resolut** **Output** **PIP**

- HDMI SDI
- DVI YPbPr
- VGA SVideo
- CVBS

Save **Exit**

CVBS S-Video Photo Out Video AUDIO IN

OUT RS-232 DVI HDMI LAN USB

SDI IN VGA/YPbPr IN USB

HDD Fire 2A AC 100-240V 50/60Hz



Overview

Medical grade video recorder, the second generation medical DVR, is the industry's most affordable and versatile, 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 media and a range of innovative features.

medical DVR 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 or NFS, it can record the highest quality HD video for up to two weeks or more. Three-level record quality is available. On-board gain adjustable Omni-directional microphone buzzer and full color LED feedback are also available.

Meanwhile, medical DVR 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. New medical DVR has a 4.3" resistive touch screen and user-friendly operation even with gloves. Live PiP and collage can be previewed, switched, set up by touch UI. PiP allows medical video and ECG displayed on the same screen and recorded. All recording, photo, patient, replay, storage status are available on the screen. Physical buttons are also available besides the touch UI.

medical DVR is 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. medical DVR has universal video connectivity and compatibility the multiple video input formats enable compatibility and integration with virtually all surgical system manufacturers. 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, HDMI and even analog to HDMI loop output.

The medical DVR can be used in an 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 medical DVR 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.

Features

Easily record crisp 1080p video and images

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
 Footswitch, hand switch supported for remote control
 The video formats support most video edit software
 Instant replay to preview on LCD or monitor
 Universal storage works with all major USB Flash, SD Card, USB HDD
 Internal removable SATA HDD up to 2TB
 Support Full HD video up to 1080p@60
 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 certification.
 Certificate: CE, FCC, EN60601-1, EN60601-2

Specifications

Power	Voltage	AC 110-240V 2A 50/60Hz, Medical grade power filter and supply
	Connector	3 prong AC Jack
Video and Photo	Video Encoder	H.264/AVC, MP/HP
	Resolution	1920×1080 @25/30/50/60fps, 1280×720 @50/60fps 480i/576i 1080i@50/60 SMPTE 296M/274M/292M,425M/424M DVI/HDMI all resolution
	Bit Rate	Max. 20 Mbits/s, 3 level adj.
	Frame Rate	24/25/30fps, 50/60fps
	Codec	H.264, mp4/mov file format
	Rate Control	CBR/VBR
Network	Photo	Jpeg, DICOM, BMP
	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, 2.2VDC Bias, 2.2Kohm, <0.7VRMS -36db. MIC gain adj.
Interface	HD/3G SDI Input	1 x BNC, 75ohm 800mVpp,SD/HD/3G
	DVI Input	1 x DVI, Receptacle
	VGA Input	1 x 15 D-Sub
	CVBS Input	1 x BNC, 75ohm 1Vpp
	S-Video Input	1 x 4pin, Mini-DIN
	HDMI Input	1 x Type A, Receptacle
	YPbPr Input	3 x BNC Via VGA
	Preview	LCD 4.3"
	Preview Output	1 x DVI, Receptacle
	SDI Loop Out	1x BNC, 75ohm, 800mVpp, HD/3G SDI
	HDMI Loop Out	1 x TYPE A, Receptacle
	Front MIC in.	Two Channel, Omni-directional
	Back Mic In.	2CH 2 x 3.5mm, jack External
	Audio In	2CH 2 x 3.5mm, jack 20Kohm higher
	Aduio Out	2CH, 2 x 3.5mm Jack
Network	RJ45, 100/1000M Ethernet	

	USB	4 x USB,TYPE A, 2 x front, 2 x rear
	Alert	Buzz
	Foot Pedal	2 x 3.5mm Jack, 1 x Photo 1 x Video
	Visible	3x Color LED
	LCD	4.3" IPS, Resistance Touch
	Remote	Mobile phone, PC, RESTFUL
	Button	Sealed Membrane, Fluid Resistant
Storage	Internal	2.5" SATA HDD Removable (Sold Separately)
	External	2 x USB Flash Drive, USB HDD (Sold Separately)
	Disk Format	FAT32, up to 2T *All storage media not included *USB 3.0 Flash drive recommended
System Requirements	Interface	USB 3.0 Interface
	Card Reader	USB 3.0 SDHC Card Reader
	Card Interface	USB 3.0 SATA Reader
		1000 Base-t Ethernet
	Monitor Resolution	1920×1080
Physical	Size	300 x 211 x 97.5mm(11.8" x 8.3" x 3.8")
	Weight	2.98kg (6lb 7.7oz) without HDD
	Operating	0°C to 45°C(32°F to 113°F)
	Storage	-20°C to 60°C(-4°F to 140°F)
	Certificate	CE (EN60601-1, EN60601-2)

Order Information

Product	P/N
HD Medical DVR Medical Digital Video Recorder	30431-010
HD Medical DVR Video Recorder with 1T Hard Disk	30431-011
HD Medical DVR Video Recorder with 2T Hard Disk	30431-012
Accessories	
Single Foot Switch, TRS 3.5mm	68950-001
Dual Foot Switch, TRS 3.5mm	68950-001
USB Dual Foot Switch	68951-002
USB Triple Foot Switch	68951-003
USB Wireless Foot Switch Single	68953-001
USB Four Button Hand Switch	68952-004
TRS Footswitch Extension Cable	689992-LLL(3/5/10/15m)
USB Footswitch Extension Cable	68990-LLL(3/5m)
Accessories listed above are options are sold separately	