

4K NDI Medical Video Recorder Lite

Make Medical Imaging Small, Easy and Simply Brilliant

ZowieMed Lite is a medical grade video recorder, the new generation mediDVR. It is the industry's most affordable and ultra compact 4K Ultra HD video recorder solution. It combines superior image and video quality, user-friendly, easy control, various removable storage media and a range of innovative features.

ZowieMed Lite can record high-definition crisp 4K video from endoscope, arthroscopy, surgical camera, C-Arms, ultrasound etc. Save extremely clear still images and videos to external USB HDD, USB Flash or NAS. With NAS, it can record highest quality video up to months or more. Adjustable record quality are available.

It has front mini screen to display working status. All record, snap, replay, storage status and patient information are available on screen. It also has a built-in big LED to indicate recording status, easy to see remotely.

Meanwhile, MediDVR has very powerful streaming feature by connecting to LAN. It enables the live transmission of operating room to other practitioners or students outside of the operating theater for training or monitoring purposes on PC or iPad/iPhone.

ZowieMed Lite comes with NDI® | HX3 that can offer high quality, ultra low latency IP based video. The video can benefit from all NDI features and available.

With touch screen, it can instantly access surgical cases to review, annotation, playback, download, generate and print surgical report. Medical labeling such as bounding box, arrow, text annotation are supported. And all this also be done remotely in LAN.

ZowieMed Lite is universal and easy operation, no special training is required. It is just plug and play. User can use mobile phone, iPad, PC footswitch or handswitch hookup to configure, control, snapshot and patient information and footage management. A live video preview is available.

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 up to 4K video and image
- ◇ Live HDMI video loop output with zero lag
- ◇ Up to 50mbps high quality video codec in H.264/265 format
- ◇ Support Full HD video up to 1080p@60 and 2160p30
- ◇ Touch screen surgical report with photo and diagnose description
- ◇ PDF surgical report with image annotation are supported
- ◇ Web control, photo and video remotely without boundaries.
- ◇ Instantly access surgical cases to review, annotation, replay, download.
- ◇ Adaptive AAC audio codec for analog and embedded audio
- ◇ Status display screen, friendly to users.
- ◇ Mobile, Pad and PC control, configuration
- ◇ DVI/HDMI inputs and embedded audio support
- ◇ Automatic video input resolution, format detection
- ◇ Still Image Photo and DICOM support
- ◇ Optimized recording for medical image process
- ◇ mp4, mov and ts video format all supported
- ◇ Foot switch, hand switch supported for remote control
- ◇ Simple setup and configuration via login protected web interface
- ◇ https supported for secured web transfer across web
- ◇ The video formats support most of video edit software
- ◇ Instant replay to preview on monitor
- ◇ Simple to use, no special training required
- ◇ Universal storage, works with all major USB Flash Drive, USB HDD
- ◇ 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
- ◇ Ultra small size, low cost and high quality
- ◇ Budget effective and easy operation
- ◇ Medical grade and certificated

Power :

Input : USB TYPE C, up to 25W 20V
Up to 20V 1A DC, 20W, Medical grade
: PoE+(802.3at), CAT5e above
Consumption : ~10W Max (Without DC Out)
Output : 12V 1A DC Max

Video and Photo :

Video Encoder : H.264 HP/MP/BP, H.265 MP
Resolution : 4K2160p25/30, 1080p25/30/50/60p
1080i50/60, 720p50/60
For both video Input & Output
Bit Rate : Max. 50Mbps/s, adjustable
Frame Rate : 24/25/30fps, 50/60fps for 1080/720p
Codec : H.264/H.265
Recorder : mp4/mov file format
Rate Control : CBR/VBR
Photo : Jpeg, DICOM, PNG, BMP
Live Preview : WEB, HDMI loop through and output

Network :

LAN : 100/1000Mbps Gigabit
WIFI : 802.11a/b/g/n/ac, Dual Band
Bluetooth : V5.0

Streaming:

Streaming Out : RTMP (s)/SRT/RTP/UDP/RTSP
NDI : NDI® | HX3/HX2/HX

Audio :

Sampling : 32, 44.1, 48KHz
Encoder : AAC, MP3, 16bit
Bitrate : 32-192kbps
Channel : Dual, AGC
Input : 0.7VRMS, 20K
Output : 16 ohm, 30mW
Source : HDMI Embedded, Line In

Interface :

HDMI Input : 1 x TYPE A, Receptacle, 1.4b
HDMI Loop Out. : 1 x TYPE A, Receptacle (Mux), 1.4b
HDMI Output : 1 x TYPE A, Receptacle (Mux), 2.0
Audio In : 1 x 3.5mm Jack
Audio Out : 1 x 3.5mm Jack
Network : RJ45, Gigabit, PoE
USB : 1 x USB, TYPE A
Visible : 1 x RGB LED Panel
Alert : Buzz

PTZ :

Interface : RS232/485/422 via USB dongle*
Protocol : Pelco D/P, VISCA

Software :

Firmware: Upgradeable, Linux OS

Storage :

External : 1 x USB Flash Drive, USB HDD
Internal : 1 x TF/MicroSD
Network : NAS
Disk Format : FAT32 up to 2T, exFAT

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

Configuration and Operation

Display : Dot Matrix, COG
Setting : Mobile Phone, Pad, PC
OSD : Text, Logo, Time Stamp
Remote : Footswitch, Handswitch
Mobile Phone, Pad, PC, RESTFUL API

PC requirements (Playback):

- USB 3.0 Interface
- Gigabit Ethernet
- Monitor resolution: 1920x1080 up to 4K

Physical and Environment

Size : 123 x 68 x 22mm(4.8" x 2.7" x 0.9")
Weight : 166g (5.9oz) Aluminum
Operating: 0°C to 45°C(32°F to 113°F)
Storage : -20°C to 60°C(-4°F to 140°F)

Certification

CE, FCC, EN60601-1-2

Ordering

30621-50X
X=1
X=2, with NDI

Accessories

USB TYPE C 25W PD Charger x 1
USB TYPE C Cable
Cold Shoe 1/4"
Quick Start Guide
*Single/Dual Footswitch
*USB Single/Dual/Triple Foot Switch
*USB Hand Switch
*USB RS232/485/422 Dongle
*Ultra Slim USB HUB
*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.