

# Portable Video Recorder

Make Imaging Easy and Simply Brilliant and Portable

**P**ortable MegaDVR, MG2, the second generation dual video inputs video recorder, is industry's first and 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 video recording up to 6 hours. External USB TYPE-C travel charger, DC power or power bank can be connected for longer recording time or fully charge the battery in ~2 hours quickly by USB PD charger up to 60W. It is as small as palm that you can take it anywhere.

Portable megaDVR can record high-definition crisp 1080p video from any standard HDMI, SDI video sources from camcorder, DSLR, drone etc. It saves extremely clear still images and videos to external USB HDD, USB Flash, TF 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 megaDVR 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. Meanwhile, megaDVR 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. MegaDVR can also be controlled remotely via mobile phone by simply scan the QR code on LCD.

Portable megaDVR 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 video sources. It accepts DVI, HD/3G SDI, and HDMI as well as 1080i50/60 or 1080p50/60. It also has SDI loop output.

The Portable MegaDVR can be used in almost unlimited number of situations, like scientific research, video footage, sports, security surveillance, remote monitoring, spy, car racing, helicopter, bus, TV station and filming etc.



## 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
- ◇ Unique power design make it can connect to any DC or power bank
- ◇ 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
- ◇ 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
- ◇ Shortcuts to quickly switch video source and storage media
- ◇ Small size, low cost and high quality
- ◇ Tripod mount

# Portable Video Recorder

Record video anywhere and anytime

## Power :

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

## 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, BMP

## Network :

LAN : 100/1000M Base-T  
Streaming : RTSP  
WIFI6 : 802.11b/g/n/ac/ax, 2.4/5.8GHz

## 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 :

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, 1100/1000M Ethernet  
HDMI Output : 1 x mini, Receptacle  
USB : 3 x USB, TYPE A  
SD : 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 medias 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 SDHC Card Reader
- 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 : 556g (1lb 2oz)  
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

30X01-200  
X=5, 6

## Accessories

USB Type-C Travel Charger x 1  
USB/C to DC Adapter x 1  
DVI to HDMI Adapter or Cable optional  
User Guide  
\*USB 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.