



ENDO-ONE visionHDmaxx

Upgraded Version

THANK YOU For Choosing this Product

We hope it will provide you with years of trouble-free service.

Please look after your

Endo-one | vision HD maXX

If you encounter problems about using and upgrading hardware
and software please contact our dealer or support team.



swift MEDI ELEC SOLUTIONS

10/812-B, SHIVANAND NAGAR, SECTOR- 3, RAIPUR- 492008 (CHHATTISGARH)

98261 71056, 79879 19911 swift.mes@gmail.com www.swiftmedi.co.in



Full HD Video Recorder
with
Screen Display

Record Full HD Videos & Playback instantly

Important Safety Instruction

Before using **Endo-one | visionHD maXX** Video Recorder, please ensure that you read and understand the safety precautions below:

1. Do not attempt to open the case of **Endo-one | visionHD maXX** Video Recorder or modify it in any way as this will void the warranty.
2. Keep **Endo-one | visionHD maXX** Video Recorder away from water and other liquids as this may cause the unit to malfunction.
3. **Endo-one | visionHD maXX** Video Recorder may become warm during use. This does not indicate malfunction.
4. Do not place heavy objects on **Endo-one | visionHD maXX** Video Recorder as this may cause the unit to overheat and malfunction.
5. If the exterior of **Endo-one | visionHD maXX** Video Recorder requires cleaning, wipe it with a soft dry cloth.
6. Do not dispose of the unit via conventional domestic waste.

Glossary

OSD : On Screen Display.

AV : Audio and Video

OBS : Open Broadcaster Software is a free and open source software for video recording and live streaming.

Xsplit : A simple yet powerful live streaming and recording software.

Table of Contents

Important Safety Instruction...	1
Table of Contents	2
What's included	3
Product Components	4-5
Connection instruction and installations (Standalone Mode)	
1. Installation	6
2. Set up Menu	7
3. Record/Capture to USB or SD card	8
4. Playback	9
5. Pause Recording	9
6. Mode Button Function	9
7. PC Mode	
Installation/Capture and record to PC	10
Firmware upgrade Product specification	11
Product specification	12
Trouble shooting and Contact	13-14

What's included

1. Endo-one | visionHD maXX Video Recorder
2. User Manual
3. Remote Control
4. USB Power Adapter 5V/2A (European / Indian type)
5. Micro USB Cable
6. DVI to HDMI Cable
7. HDMI to HDMI Cable
8. 3 RCA Female to 3.5 mm Jack Cable
9. S-Video to Male RCA Cable



Product Components



1. **IR Receiver** : Receives Infra-Red signals from Remote Control
2. **LED indicators** : When the Red light is on, it means **Endo-one | visionHD maXX** is turned on. Blue blinking means it is recording videos.
3. **Panel Buttons :**
 - Power** : During power on state, press shorter than 2 seconds to turn on/off LCD screen, press longer than 2 seconds but shorter than 10 seconds to show shutdown dialog, press longer than 10 seconds to force shutdown. During power off state, press longer than 2 seconds to turn on.
 - Menu/Back** : Press this button to enter or exit menus.
 - Vol+/-, Mic+/-** : Press these buttons to control Speaker/Microphone volumes.
 - Mode** : Press this button to switch among Record/Photo/Playback preview. Long press to delete a recording in playback preview.
4. **SD card slot** : Insert SD card for record or playback.
5. **Earphone** : Earphone output with Microphone input interface.
6. **AV IN** : earphone jack for CVBS video + L/R Audio input.
7. **HDMI IN** : HDMI input
8. **HDMI OUT** : HDMI output.
9. **USB** : for plug into an external USB storage device.
10. **USB POWER/PC** : micro USB for power/connecting to PC. **Endo-one | visionHD maXX** works as an USB storage of PC or streams video to PC.
11. **LCD Screen** : LCD screen for preview/playback.

Remote Control

Power: LCD Screen on/off

Rec: Press to start recording

Stop: Press to stop recording/playback

< >: Adjust Microphone volume

& &: Adjust Speaker volume

▲ ▼ ▲ ▼: Control cursor in menu state

Menu: Show the main menu or exit menu

Back: Press to exit menu

Photo: Capture a photo in record/photo preview state

Mute: Mute the speaker

Unmute: Mute the microphone

Playback: Go to playback menu directly

Source: Select input video source (HDMI/AV)

Schedule: Schedule an once/daily/weekly recording

SD/USB: Select the default storage device to SD card or USB disk

Mode: Press to switch among Record/Photo/Playback preview

Long press to delete a recording in playback preview

Language: Press to change the language

Record Quality: Press to change the record quality

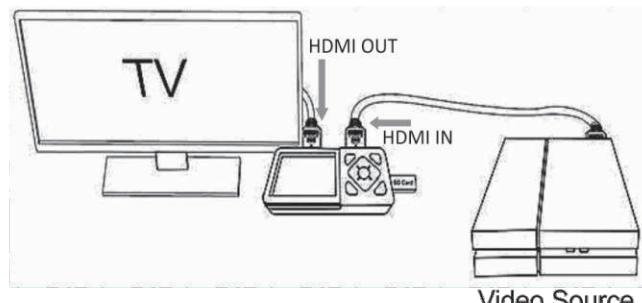
OK : Choose a selection in menu state & during recording
press OK button one time to pause recording & again one
press to resume the recording. (Pause recording feature can
skip unimportant section & save memory space)



Connection Instruction and installation

1. Installation

- (1) Connect power adapter to DC jack ⑩ of Endo-one | vision HD maXX
- (2) Connect video source (Endo camera) to Endo-one | vision HD maXX HDMI in ⑦ or AV in ⑥
- (3) Connect Endo-one | vision HD maXX from HDMI OUT ⑧ to TV / Monitor with HDMI cable (If need to take output from device then connect).
- (4) Plug the USB storage device (Pen drive / Hard disc drive) into the USB ⑨ or insert SD card to ④ of Endo-one | vision HD maXX Video Recorder.



2. Set up Menu / System Setting

Press **Menu** button to browse the setting as below.

System Settings		System Settings	
Language	English >	Default Storage	SD card >
Date/Time	> Off	USB Mode	USB Storage Mode >
Time Watermark	Off >	Screen Auto Sleep	Off >
Status OSD Display	Always On >	Format	No SD card/USB drive >
Video Source	HDMI >	Factory Reset	>
Recording Codec	H265 >	Firmware Version	210708.r1n

Language : Set the OSD language to be displayed on the menu. English, French, Germany, Italian, Japanese, Russian, Polish, Korean, Spanish, Thai Simplified Chinese and Traditional Chinese are available.

Date/Time : Set the time of **Endo-one | vision HD maXX** by year, month, day, hour and minute.

Time Watermark : Set the date & time watermark on screen and recording.

Status OSD Display : Always on, Auto Hide, Rec Timer only.

Video Source : Select the source input to HDMI or AV.

Recording Codec : H264, H265

Recording Resolution : 1080P60, 720P60

Recording Bitrate : 30MBPS, 25MBPS, 15MBPS, 10MBPS, 5MBPS

Schedule Recording : Daily, Once, Weekly, Off

Default Storage device : Select the default storage device to SD card or USB disk. It will set to the other one if this default storage is not available.

USB Mode : Select the USB Host mode (**USB Storage Mode** record/playback the USB disk or USB HDD) or USB Device Mode (**PC Storage Mode, PC Streaming Mode**, see PC Mode for details).

Screen Auto Sleep : 10 Seconds, 30 Seconds, 1Minute, Off

Format : Format the inserted SD card or USB disk.

Factory Reset : Restore the factory settings.

Firmware version : Shows the current version info.

3. Record/Capture to USB or SD card

(1) After finishing the setup, press the **Menu** button to return to the preview interface. Conect **Endo-one | vision HD maXX** to video source via DVI to HDMI or HDMI to HDMI or AV cable.

(2) After all devices are connected properly; please switch on the power of **Endo-one | vision HD maXX** and switch on video source (Endo camera).

(3) Insert the SD card or connect USB storage (Pen drive / Hard disc drive) to **Endo-one | vision HD maXX**.

(4) To start video recording. Press the **Rec/Stop** button on **Endo-one | vision HD maXX** or press REC button on remot control.

(5) During recording press **OK** button one time to pause the recording & again press the button to resume the recording. (Pause recording feature can skip unimportant section & save memory space)

(6) To stop video recording. Press the **Rec/Stop** button again (during recording) on **Endo-one | vision HD maXX** or press **Rec/Stop** button on the remote.

(7) To take snapshot during video recording. Long Press the **Rec/Stop** button (during recording) on **Endo-one | vision HD maXX**.

(8) For schedule recording, please keep the device power on and connected to USB power as always.

NOTE:

- It will automatically generate the file name when recording starts, the name rule is date_time + index.mp4.

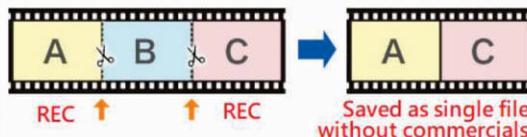
- **Endo-one | vision HD maXX** support major storage format : FAT32/ NTFS/exFAT. (In FAT32, it will record a new file when the previous recording file reaches the maximum 4GB capacity).

- When HDD or USB storage is full, **Endo-one | vision HD maXX** will stop recording automatically.

- **Endo-one | vision HD maXX** saves files in MPEG4 format. The capture resolution can be set at either 480p, 720p or 1080p.

4. Pause Recording

Press "OK" button during recording to **PAUSE**, recording time on the top of left corner is flashing. press "OK" button again to continue recording. PAUSE recording can help you skip less important section & save memory space.



5. Playback

- (1) After all devices are connected properly, press **Mode** button twice on device or the **Playback** button on the remote control to enter the playback preview menu.
- (2) You will see the status bar showing the file list with current/total index. Select your desired file and press **OK** to start playback.
- (3) You will see the progress bar on the bottom, and you can press **▲▼** to adjust the output volume, or **◀▶** to Fast forward/rewind.

6. Mode button function

Press this button to switch among Preview Record, Preview Snapshot, Playback mode. Long press to delete a recording file in playback mode. In playback mode, choose the file you want to delete, and press OK to delete.

7. PC Mode

1. Installation

Connect the micro USB cable between the **USB TO PC** port of **Endo-one | vision HD maXX** and the USB port of PC, the menu below will pop up. Or you can manually open it after USB cable connected.



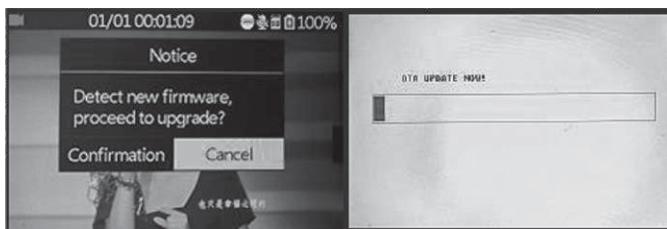
- (1) **USB Storage Mode** : record/playback video on USB Flash Drive / USB HDD
- (2) **PC Storage Mode** : PC can detect SD card in **Endo-one | vision HD maXX** & access files on SD card
- (3) **PC Streaming Mode** : **Endo-one | vision HD maXX** can stream video from input source to PC instantly. With live-streaming software like OBS. PC can live stream to twitch/ YouTube/facebook..etc.

Note:

The PC Mode requires high performance computer used in this case, otherwise you may see "WARNING: High encoding CPU usage!" Consider turning down settings."

8. Firmware Upgrade

- (1) Put new firmware as two files on the root path into a formatted SD card or USB flash drive, then insert into Recorder.
- (2) Turn on the Recorder, the new firmware dialog pops up, select Confirmation to start. (For USB flash drive, go to Firmware Upgrade in setting & upgrade manually)
- (3) It will show the progress of upgrading, DO NOT unplug the SD card/USB flash drive till the upgrade process finished.



- (4) After the upgrade completed, it will delete the file to avoid upgrade again and reboot automatically.

Product Specifications

Supported Video Resolutions

Input	1920x1080 (60p) 1920x1080 (50p) 1920x1080 (30p) 1920x1080 (25p) 1920x1080 (24p) 1920x1080 (50i) 1920x1080 (60i) 1280x720 (60p) 1280x720 (50p) 720x480 (60i/p) 720x576 (50i/p)
HDMI Output	1920x1080 (60p)
Recording	Local Recording: 1920x1080 (60p), 1280x720 (60p), 720x480 (60p). PC Recording: 1920x1080 (30p), 1280x720 (60p).
Output format	Mp4 (H.264, H.265)
CVBS standards (input)	NTSC, PAL, CTIA
Input signals	HDMI, AV, MIC, USB
Output signals	HDMI, Micro USB, Earphone, Speaker
Supported file system	FAT32/NTFS/exFAT
Recording capacity Maximum	4GB / 32GB per file
Recording Bitrate Max.	30/25/20/15/10/5 Mbps in different record quality
Maximum storage capacity	2TB (HDD), 256 GB (USB Flash drive), 256 GB (SD card)
Power supply	DC 5V, 2A

9. Trouble Shooting

(1) The Recorder doesn't show video on LCD screen.

Please make sure the HDMI or AV source input is connected & selected properly.

(2) SD Card/TF Card/USB HDD is not detected by the Recorder.

For TF (micro SD) Card, please make sure good SD adapter is used. It's highly possible the connector pin is oxidized with bad quality adapter used over time. Some SD/TF card previously used /formatted by other device such as digital camera may have hidden partition and need to be formatted by PC tool like PhoenixCard before use. For big size USB HDD, we suggest to use Guiformat to format to format in FAT32, it's a free tool from <http://www.ridgecrop.demon.co.uk/>

(3) The Recorder screen freezes.

You can always long press button for 10 seconds to reboot the recorder.

(4) The Recorder is not recording.

Please make sure the proper source input is selected.

Please make sure the storage device USB disk or SD card inserted.

(5) There is no sound in Speaker, headset or recording.

Please make sure the volume is unmuted & speaker/headset volume is properly adjusted. Make sure your headset is 3.5mm CTIA type.

(6) There is no file preview in playback interface.

Please make sure there are recordings in the inserted USB disk or SD card. If you copy the external files to the inserted USB disk or SD card, videos should be saved in **video folder**, pictures should be save in **photo folder**. Not all the video files could be detected & playback.

(7) There is no PC Storage device on PC.

Please make sure you inserted a valid SD card into this device and connect "USB TO PC" to PC with micro USB cable and select "PC Storage Mode" under USB Mode on software setting.

(8) There is no Live stream on PC.

Please make sure you connected this device's "USB TO PC" to PC with micro USB cable and select "PC Streaming Mode" under USB Mode.

Please make sure you can see D740 UVC Camera, D740 UAC Audio device in your PC Device Manager. Make sure D740 is selected as Video/Audio input in your streaming software OBS.

(9) Insufficient power for USB HDD.

USB HDD will consume more power, embedded battery of Recorder may not provide enough current, please connect 5V/2A DC power before connecting to USB HDD. For 3.5" HDD, please connect its own DC power.

(10) Video/Audio not synchronized in PC preview.

On PC streaming mode, high data rate streaming to PC will cause heavy workload. Please use PC with faster CPU & GPU.

This video recorder can not be used on Mac. It only supports windows PC.