REACH Media Master
(Model：MM5000)

REACH MM5000 is a kind of high-performance video recording and streaming server, can make extensive use of training and teaching in a variety of medical scenarios. The device integrates high-definition video and audio, such as DVI, 3G-SDI, HDMI, USB, Line in, Mic in and other interfaces, can recognizes the medical equipment signal source, records and generates general MP4 format video files.

The system can easily realize the PC, tablet computer and other multi-point cooperative management control system, can cooperate with the Reach Video Platform to carry on the Internet direct broadcast, support the Laptop, MAC, Android, iOS and other mobile terminals to share the resources.
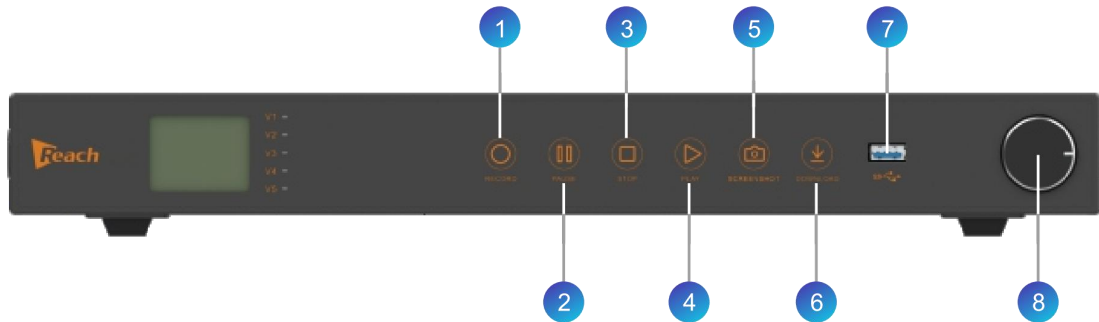
Features：

☐ High definition signals synchronous recording and live streaming

Support up to 5 signal inputs at maximum, DVI or 3G-SDI input port optional.

☐ Support interactive function

With REACH equipment and software, can realize real-time remote interaction between operating room and control room or training room;

☐ RTSP & RTMP Streaming

Support standard RTSP and RTMP protocol, can support push RTMP streaming to 3rd video platform or other cloud server for live broadcast.

☐ Multi browsers supported

Supports Edge, Chrome, Safari and Firefox browser to access webpage to do configuration.

☐ MP4 file format

Recorded video is in standard MP4 file format, embedded with audio.

☐   Linux OS, dedicated hardware, it is more stable.

☐   USB Storage

      Supports download recording videos to USB disk.

☐   Integrated with control button on front panel

      Support one button to start/pause/stop recording, download files or local playback.

☐   Integrated with 3rd Central Control System

      Support Telnet and RS232 protocol, can integrate with 3rd Central Control System.
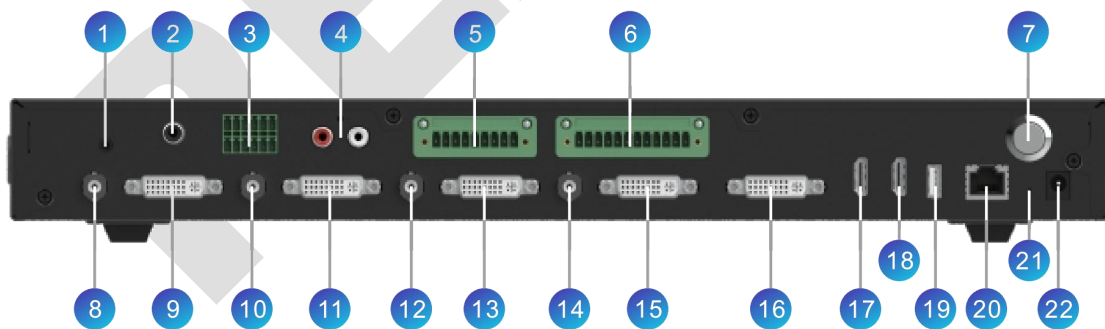
Specifications：

Model	MM5000
Operation System	Linux OS
DVI Input Port 1-4 SDI Input Port 1-4	Support resolution： 720p@50@60, 1080i@50@60, 1080p@25@30@50@60
DVI Input Port 5	HDMI & DVI digit signal supported resolution： 800*600@60 to 1920*1080@60 VGA analog signal supported resolution： 800*600, 1024*768, 1280*800, 1366*768, 1400*1050, 1440*900
HDMI Output Port 1	1920*1080@50@60
HDMI Output Port 2	1280*720@60, 1920*1080@50@60
Audio Input Port	Mic in: Phoenix, RCA Line in: Phoenix, 3.5mm
Encoding	Video: H.264 High Profile Audio: AAC
File Format	MP4
Management	Webpage, Front Panel Button, Software Client, 3rd Central control system
Audio Bit Rate	64Kbps
Audio Sample Rate	48KHz
Language	English, Chinese
Storage	2TB by default, can be upgraded to 8TB maximum
Power	DC12V, 3A
Dimensions	430mm*335mm*44.5mm (L*W*H)
Weight	5KG
Relative Humidity	10% to 90%
Working Temperature	-10 ° C to 50 ° C
Storage Temperature	-20 ° C to 60 ° C

Front Panel：

No.	Component	Statement
1	Record	Press to start recording
2	Pause	Press to pause recording or pause local playback
3	Stop	Press to stop recoding or stop local playback
4	Playback	Press to get the file list for playback
5	Screenshot	Reserved
6	Download	Download file to USB device from the local HDD
7	USB3.0	Connect to USB device for download files
8	Knob	Select file and confirm for playback and download

Rear Panel：

No.	Connector	Statement
1	Line IN	Line in audio input
2	MIC IN	Mic in audio input
3	Line IN/OUT	The above row is for 1* Line out The below row is for 1*Line in and 1* Mic in
4	Line OUT	Audio output
5, 6	COM2, COM1	RS232 control port for 3rd central control system and camera PTZ control
7	Power Switch	Power on/off

8	SDI IN 1	SDI signal input 1
9	DVI IN 1	DVI signal input 1
10	SDI IN 2	SDI signal input 2
11	DVI IN 2	DVI signal input 2
12	SDI IN 3	SDI signal input 3
13	DVI IN 3	DVI signal input 3
14	SDI IN 4	SDI signal input 4
15	DVI IN 4	DVI signal input 4
16	DVI IN 5	Connect with PC / laptop signal
17	HDMI OUT 1	Output live preview video
18	HDMI OUT 2	Output local video playback
19	USB Port	Connect USB mouse and keyboard
20	LAN	RJ45 for connect with LAN cable
21	Reset	Reset unit to backup system
22	Power IN	DV 12V / 3A power input

Topology：