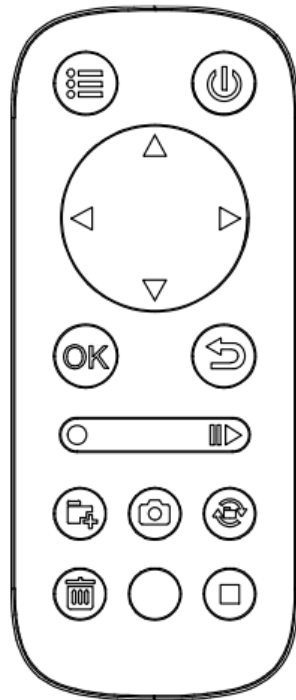# 4 Channel recorder

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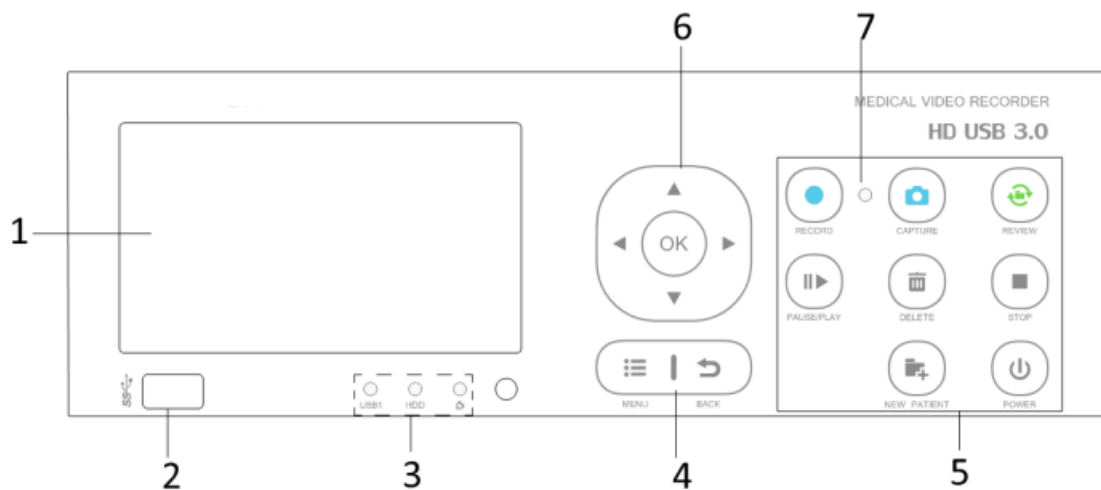
- **System Composition**

- Local video input: **4 inputs, maximum 4K 30**, supports 3G-SDI, DVI-I, S-VIDEO, HDMI, VGA, CVBS interface

- Local video output: **2 outputs, maximum support 4K 30**

- Local audio: 2 inputs, 2 outputs

- Hard drive: Built-in 2T hard drive

- Network: dual network cards
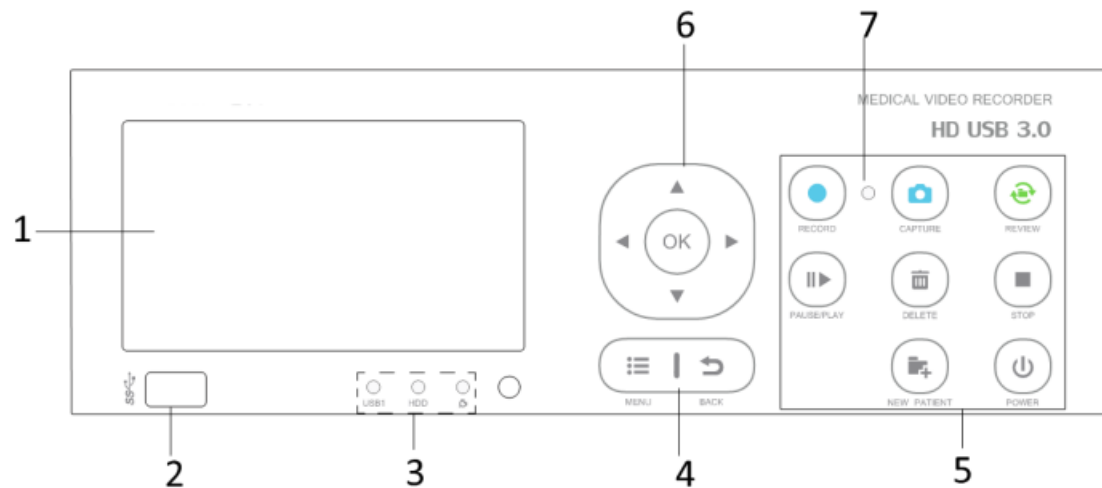
- Other interfaces: USB interface, 485 interface

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- **System Composition**

Icon	Description	Icon	Description
(menu icon)	Open the menu.	(power icon)	When the device is powered on, press the button to turn on the device.
			When the device is running, press and hold the button for 3 seconds to shut down the device.
OK	Confirm.	(back icon)	Return to the previous menu.
○	Start recording.	�▷	• Preview interface: Pause/continue recording. • Playback interface: Pause/continue playback.
(create ID icon)	Manually create a recording ID.	(camera icon)	Capture.
(playback icon)	Quickly enter the playback interface.	□	• Preview interface: Stop recording. • Playback interface: Stop playback.
(directional pad icon)	• Menu configuration interface: Move the box and select the data. • Preview interface: Up 【▲】/Left 【◄】: Preview the previous camera screen. Down 【▼】/Right 【►】: Preview the next camera screen.	(trash icon)	Delete the recording or image.

- **Introduction of video recorder front panel**


No.	Name		Functions
1.	Screen		Used for local live view and menu display.
2.	USB Interface		1 USB 3.0 interface. It is recommended to use this USB 3.0 interface to connect to the USB storage peripheral for video storage.
3.	Indicator	Power Indicator	• The green light remains steady when the medical video recorder is powered on. • The blue light remains steady when the medical video recorder mainboard is powered on.
		HDD Indicator	• The blue light flashes when the internal HDD is used for reading and writing.
		USB Indicator	• The blue light remains steady when the USB driver is connected.
4.	Menu/Return		Go to main menu.
			Return to the previous menu.
5.	Function Button		Start recording.

- **Introduction of video recorder front panel**

No.	Name		Functions
		📷	Capture.
		🔄	Quickly enter the playback page.
		⏸▶	• Preview: Pause or continue recording. • Playback: Pause or continue playback.
		🗑	Delete the recording or image.
		⏹	• Preview: Stop recording. • Playback: Stop playback.
		📁+	Create a recording ID manually.
		⏻	Press and hold the button for 3 seconds to shut down the device when the device is running.
6	Direction Button		• Menu configuration interface: Move the Menu Settings box and select the Menu Settings data. • Preview interface: Up 【▲】 /Left 【◄】 : Preview the previous camera screen. Down 【▼】 /Right 【►】 : Preview the next camera screen.
7	Capture/Record Indicator		• When the capture function is triggered, the blue light will briefly light up for 1 second. • When recording function is triggered, the blue light will blink at a cycle of 1 second.

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Product introduction

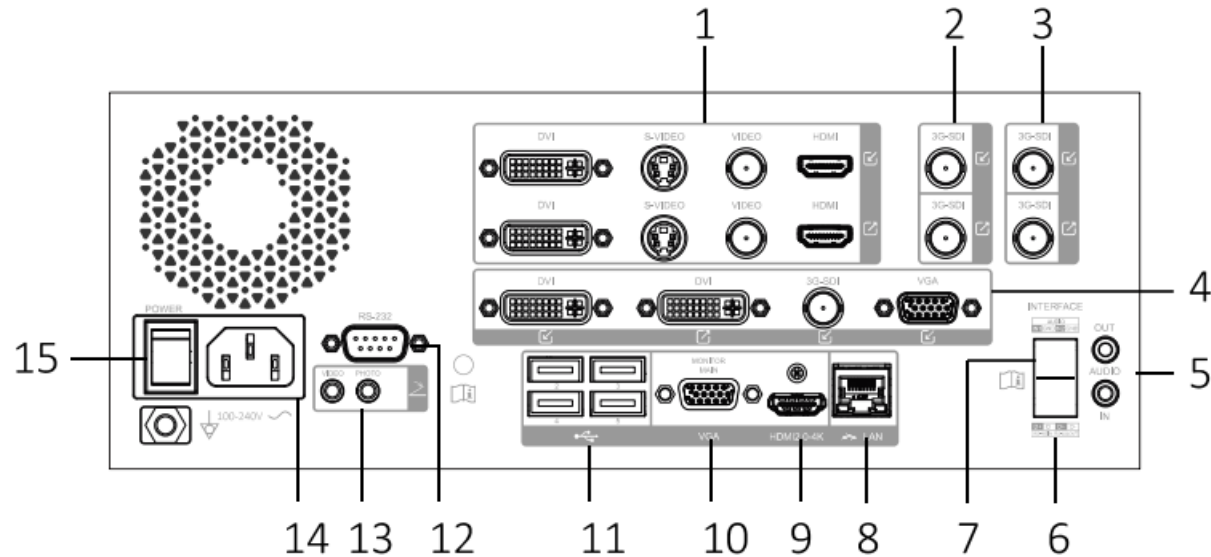- **Introduction of video recorder's touch screen menu**
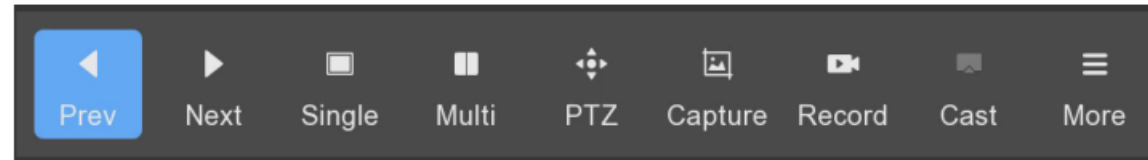
- Prev: Switch to the previous screen.

- Next: Switch to the next screen.

- Single: Switch to a single screen through the dropdown menu.

- Multi: Change the live view mode through the dropdown menu.

- PTZ: Open the PTZ control window to perform PTZ operations.

- Capture: Click once to capture a photo.

- Record: Enable or disable video recording.

- Cast: Project the screen to an auxiliary output monitor in single-screen mode.

Product introduction

- **Introduction of MIK5 fluorescent CCU rear panel**
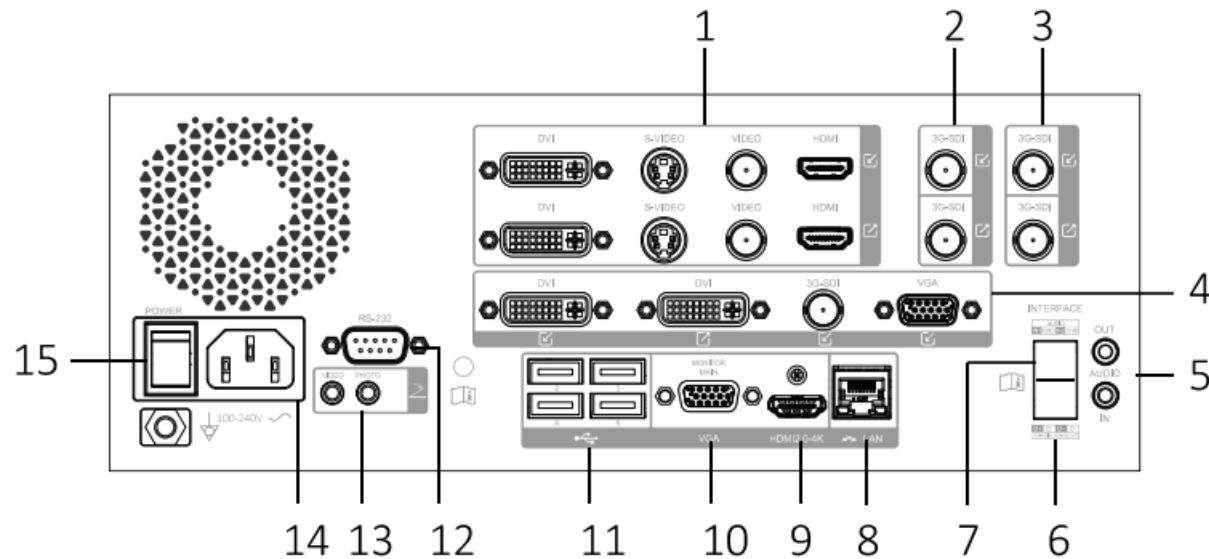
No.	Name	Functions
1.	Video Input Interface (DVI, S-VIDEO, VIDEO, HDMI)	1 group of DVI/S-VIDEO/VIDEO/HDMI video input interfaces, all interfaces with loop-through output.
2.	SDI Video Input Interface	1 group of SDI video input interfaces with loop-through output.
3.	SDI Video Input Interface	1 group of SDI video input interfaces with loop-through output.
4.	Video Input Interface (DVI, SDI, VGA)	1 group of DVI/SDI/VGA signal input interfaces, with DVI having loop-through output.
5.	Audio Input Output	One 3.5 mm audio dual channel input interface. One 3.5 mm audio dual channel output interface.
6	RS-485 Interface	2 groups of RS-485 interfaces, including 1 RS-485 input and 1 RS-485 output.
7	RCA Audio Input Interface	2 RCA audio input interfaces.
8	LAN Ethernet Port	Connect to a 1000 Mbps network.
9	HDMI Interface	1-way HDMI video output.

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- **Introduction of MIK5 fluorescent CCU rear panel**

No.	Name	Functions
10	VGA Interface	1-way VGA video output.
11	USB Interface	4 USB 2.0 interfaces, which can connect devices such as mouse, keyboard, and USB drives.
12	RS-232 Debugging Interface	Used for serial port debugging.
13	Foot Switch Interface	One 3.5mm interface (VIDEO): Connect a foot switch. Press the foot switch once to start recording, and press it again to stop recording. One 3.5mm interface (PHOTO): Connect a foot switch. Press the foot switch once to capture.
14	Power Input	Connect the power adapter (220 VAC).
15	Power Switch	Toggle the power switch up or down to turn the power on or off.

Product introduction

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- **Connection**

Field camera
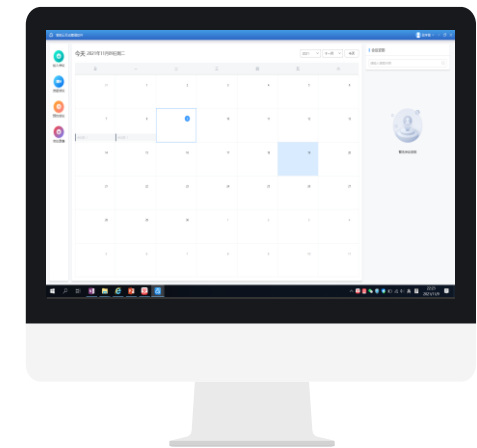
Panoramic camera

Endoscopic processor

Monitor

Pickup

Audio and video output, image fusion

Audio

Display

Video storage: video/fusion picture recording, voice recording, real-time review

Remote surgical guidance: multi-party meetings, surgical guidance

Remote surgery live broadcast: images are pushed to the live broadcast room

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