

QUICK START GUIDE

4K Coaxial Surgical Head Camera

Model SM-H2 | Read the full user manual before first use



BEFORE USE Charge the control box, confirm the 128 GB TF card is installed, check the image and perform a short recording/playback test.

1. Set Up and Wear

- Connect the head-mounted assembly securely to the control box.
- Wear the headband and adjust it for a stable, comfortable fit. Route the cable so it cannot pull or interfere with the procedure.
- Power on the control box. Wait until the rapidly flashing initialization indicator stops.
- Aim the headlight and camera toward a target at the normal working distance; confirm the final framing on a live preview.

POSITIONING NOTE The illuminated headlight spot is a positioning reference only and is not identical to the complete camera field of view.

2. Basic Controls

Control Box — Buttons and Indicators



Control	Function	Control	Function
Center video key	Start / stop recording	Photo key	Photo when not recording
Up / Down	Increase / decrease brightness	Left / Right	Decrease / increase color saturation
Wi-Fi key	Switch HDMI ↔ Wi-Fi	Headlight rotary switch	Headlight on/off and output

The rear-module green indicator flashes while recording is active.

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Output, Remote and File Transfer

Core operations for routine use

3. HDMI Output and Recording

- Default startup mode is HDMI. Connect the supplied Micro-HDMI-to-HDMI cable to a monitor, recorder or capture device.
- Preview only: 3840 × 2160 at 30 fps. During recording, preview changes to 1280 × 720 at 30 fps while the recorded file remains 3840 × 2160 at 30 fps.
- Press the center video key once to start and again to stop. Photo capture is unavailable during recording.

4. Wi-Fi Preview with MobileCamApp

Step	Action
1	After initialization, press the Wi-Fi key. HDMI output stops.
2	On the phone/tablet, connect to the hotspot beginning with “G1A”. Password: 12345678.
3	Open MobileCamApp / MobileCam → Add Camera → Wi-Fi Connection.
4	Use the app for recording and photos. The control-box Record/Stop and Photo keys are disabled in Wi-Fi mode.
5	Press the Wi-Fi key again to return to HDMI mode.

5. 2.4 GHz Wireless Remote

	PAIRING: Factory paired. If unresponsive, press several times within the first 10 seconds after camera power-on. BRIGHTNESS Auto: Automatic brightness mode. BRIGHTNESS – / +: Manual brightness adjustment. DIGITAL ZOOM – / +: Digital zoom out / in. COLOR – / +: Color saturation adjustment.
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6. Copy Files

- Stop recording before shutdown, card removal or cable disconnection.
- Method A: power off, remove the TF card and use the supplied USB TF-card reader.
- Method B: disconnect HDMI, power on, then connect the rear-module Type-C data port to a computer using a data-capable cable.
- Videos: MP4 (H.264); photos: JPG/JPEG; video files are segmented automatically every 10 minutes.

CAUTION Do not remove the TF card or switch off the system while recording or while a file is being saved. Do not autoclave; wipe external surfaces with a soft cloth lightly moistened with 75% alcohol.