

DM-RP4K1

4K Single-Channel Surgical Recorder

4K Recording for Surgical Teaching, Documentation and Review



The SMO Medical DM-RP4K1 is a high-performance 4K single-channel surgical recorder designed for modern operating rooms. It supports one 4K video signal input and one 4K HDMI loop-out, providing stable recording for surgical teaching, documentation, and review.

Key Features



Single 4K Input

Supports 1 × 4K video signal input.



HDMI Loop Out

Supports 1 × 4K HDMI loop-out for external display or routing.



7-inch Touchscreen

Easy touchscreen control with front USB ports and physical buttons.



SSD + USB + FTP

Internal SSD, external USB backup, and optional FTP archiving.

Applications



Operating Room
Recording



Surgical
Teaching

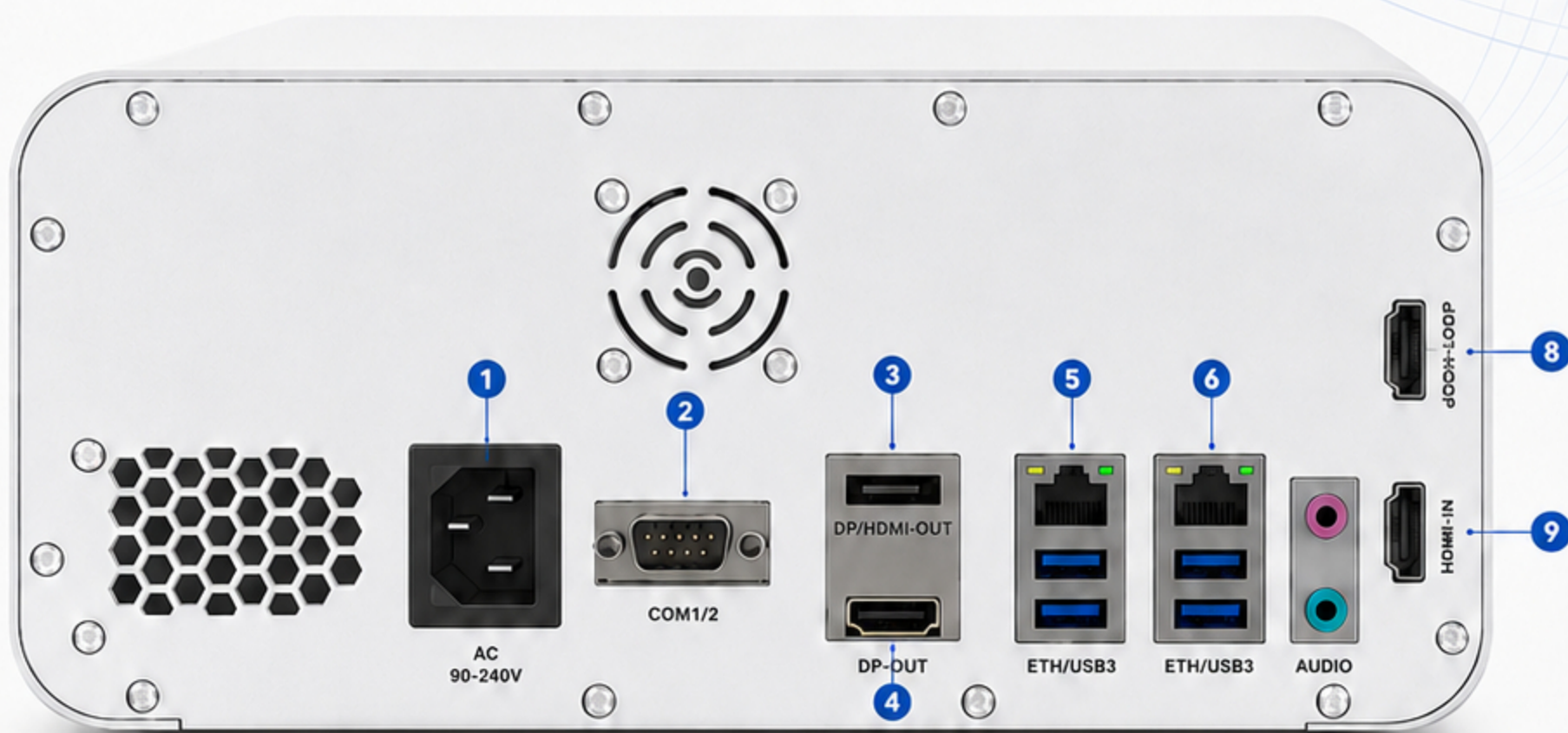


Case
Documentation



Post-case
Review

Rear Interface Reference



Single-channel version: supports 1 × HDMI input and 1 × HDMI loop-out.

1 AC Power Input	2 COM1/2	3 DP/HDMI-OUT
4 DP-OUT	5 ETH/USB3	6 ETH/USB3
7 Audio	8 HDMI Loop Out	9 HDMI IN 1

Technical Specifications

Video Input:	HDMI 2.0 ×1
Audio Input:	Mic in / Line in
Video Output:	HDMI 2.0 ×1
HDMI Loop Out:	HDMI 2.0 ×1
Recording Mode:	Single-channel recording
Touchscreen:	7-inch capacitive touchscreen
Control Method:	Touchscreen / Physical Buttons
USB Ports:	Front ×2, Rear ×4
Network:	RJ45 ×2, 10 / 100 / 1000M
Video Encoding:	H.264 High Profile
Video Format:	MP4, AVI
Photo Format:	BMP, JPEG
Resolution:	3840×2160p@60; 1920×1080p@60
Storage:	Internal SSD up to 2TB; external USB disk / portable HDD; optional FTP server
Power:	AC 100–240V / 50–60Hz
Max Power:	80W max
Dimensions:	278 × 340 × 120 mm
Operating Temperature:	0°C to +40°C