

FALCO MD62

ZERO DELAY WIRELESS VIDEO

Falco MD62 Wireless Video transmitter and receiver devices enable the connection of live video to secondary monitors, eliminating the need for cables, and expanding mobility and flexibility during surgical procedures. The MD62 delivers 4K60 video, in high fidelity, over a reliable, secure, and robust link, while keeping the latency below 2mSec, ideal for Endoscopy Systems, Clinical Microscopes, Robotic Surgery, and other medical video application. A single transmitter is capable of simultaneously sending the same video to four separate receiver destinations. Quick and easy installation saves time and costs by maximizing OR availability.

KEY FEATURES

- Video resolution: Up to 4K 60fps
- Latency: < 2mS
- Connect up to 4 receivers to a transmitter.
- Supported RF bandwidth: 40MHz or 20MHz
- MIMO configurations: 4x5
- AFS (Automatic Frequency Selection): Ensures best channel selection
- DFS (Dynamic Frequency Selection): Operates on the entire unlicensed 5GHz spectrum (5.1-5.9 GHz)
- Antennas: Internal antennas
- Power interfaces: 12V, Medical grade power supply is included
- Encryption: AES-256 (RSA-1024 for key exchange)
- Mounting: Compatible with Teradek VESA plate. M4 5mm screws.
- Medical Regulation: MDR, FDA, and UK MDR
- RF Regulations: FCC, CE, MIC, ISED, KC



	Transmitter	Receiver
Video Formats	Up to 4K60fps. 2D/3D video.	
Video Interfaces	HDMI input, 12G-SDI input, 12G-SDI loopback	HDMI output, 2x 12G-SDI output
Navigation Button & OLED	✓	✓
OSD	✓	✓
AUX/Host Interface	USB2.0 (Optional)	USB2.0 (Optional)
Size	5.9"L x 3.6"W x 1.1"H (149 x 91.2 x 27.1mm)	5.1"L x 5.5"W x 1.1"H (129 x 138.8 x 27.1mm)
Antennas	4x internal antennas	5x internal antennas
Power Consumption	20W	18W
Wireless Video Bands*	DFS Frequencies: 5.250 ~ 5.350 GHz, 5.470 ~ 5.725 GHz Non-DFS Frequencies: 5.150 ~ 5.250 GHz, 5.725 ~ 5.850 GHz	DFS Frequencies: 5.250 ~ 5.350 GHz, 5.470 ~ 5.725 GHz Non-DFS Frequencies: 5.150 ~ 5.250 GHz, 5.725 ~ 5.850 GHz
Environment Requirements	Operation: 0-40°C, 25%~75% humidity Storage: -20 - 60° C, 15%~90% humidity	
Medical Regulations	MDR & FDA, Class-1 medical device	

*NOTE: Frequencies and channels are dependent on regional approvals.

