

# FALCO MD11

ZERO LATENCY WIRELESS VIDEO

Falco MD11 is a 4K-30fps Wireless Zero Latency Video Link receiver and transmitter module ideal for use in Endoscopy Systems, Clinical Microscopes, Theater Lights solutions, and other medical applications requiring sharp-clear images.

The components enable multicasting live-video simultaneously and without interruption onto four other apparatuses like surgical-monitors, wall-control/panel, and recording equipment delivering real-time superior image quality.

The solution helps to increase Operating Room availability, reduce complexity and cost. Can be retrofitted easily and without special or lengthy preparations.

## KEY FEATURES

- Video resolution: Up to 4K 30fps
- Latency: < 1mS
- Connect up to 4 receivers to a transmitter
- Control: Navigation button & OLED screen
- Supported RF bandwidth: 40MHz or 20MHz
- MIMO configurations: 2x5
- 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 interface: 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 compliance: FCC, CE, MIC, ISED, KC



	MD11 Transmitter	MD11 Receiver
Video Formats	Up to 4K30fps	
Video Interfaces	HDMI input, HDMI loopback	HDMI output
Color Sampling:	RGB: 8/10-bit YCbCr: 4:4:4; 8/10-bit YCbCr: 4:4:2	
Navigation Button & OLED	✓	✓
AUX/ Host Interface	USB2.0, RS232 (optional)	USB2.0, RS232 (optional)
Size	6" x 3.1" x 1" (151.4 x 79 x 25mm)	6" x 3.1" x 1" (151.4 x 79 x 25mm)
Antennas	2x internal antennas	5x internal antennas
Power Consumption	6W	7W
Wireless Video Bands*	DFS Frequencies: 5.250 ~ 5.350 GHz, 5.470 ~ 5.725 GH Non-DFS Frequencies: 5.150 ~ 5.250 GHz, 5.725 ~ 5.850 GHz	
Environmental 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

