

FALCO MD10 AND MD11

ZERO LATENCY WIRELESS VIDEO

Falco MD11 and MD10 are 4K-30fps and 1080p-60fps Wireless Zero Latency Video Link receiver and transmitter modules 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
- 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 interfaces:
 - Tx: USB-C, 5V
 - Rx: Barrel, 12V
- Encryption: AES-256 (RSA-1024 for key exchange)
- Connect to up to 4 receivers
- Regulations Support: FCC, CE, MIC, IC, KC

	MD10/ MD11 Transmitter	MD10/ MD11 Receiver
Video Formats	MD11: Up to 4K 30fps MD10: Up to 1080p 60fps	
OLED	✓	✓
AUX/ Host Interface	Optional	Optional
Size	79mm X 151.4mm	79mm X 151.4mm
Antennas	2x internal	5x internal
Power Consumption	6W	7W
Radio Frequency	5.1-5.9GHz, 20MHz or 40MHz Bandwidth	
Environmental Requirements	Operation: 0-40°C, 10%~90% humidity Storage: 0-55° C, 10%~90% humidity	
Regulation Support	FCC, CE, MIC, IC, KC	

