

ZEROWIRE®
Wireless High-Definition Video

NDS
SURGICAL • IMAGING



ZeroWire

NDSsi ZeroWire® technology is the most advanced medical grade wireless video solution available today for minimally invasive surgery and interventional procedures. It reliably delivers full high-definition surgical video in real time, with ultra-low latency. By utilizing the reserved UWB frequency spectrum, ZeroWire® provides a robust wireless video link immune to interference from other devices. It enhances clinical efficiency and safety in the OR by eliminating the need for video cables. The proprietary memory enabled pairing system makes installation quick and easy. ZeroWire® technology provides the highest quality of service and is specifically designed for the video transmission challenges of the surgical environment.

- Medical Grade Wireless Video Technology
- Full High-Definition Video (1080p60)
- Immune to Interference
- Easy to Use Pairing System
- High Quality of Service
- Compact and Lightweight



ZeroWire®

SYSTEM PERFORMANCE

Wireless Signal Type	Ultra Wideband (UWB)
Frequency Band	3.1 to 4.8 GHz
Data Rate	53.3 to 480 Mbps
Tx to Rx Range	30 feet* (10 meters)
Compression Technology	H.264
System Latency	Less Than One Frame
Hardware Encryption	128-bit AES
Interference Robustness	Up to -10 dB Signal To Interference Ratio
DDC Support (DVI Only)	Display EDID Communication
Bonding of Tx / Rx Pair	Memory-Enabled Pairing System

COMPLIANCE & CERTIFICATIONS (All Are Pending)

UL 60601-1, EN 60601-1, EN 60601-1-2, FCC Part 15 Class B, EN 302 065, EN 301 489, CE 0984, CISPR11, FCC ID: UEZTSM7201, Pending FDA 510(k) Submission Clearance, Pending Classification from FDA, RoHS, WEEE

*The effective range between the transmitter and receiver can vary depending upon the environment in which the product is operating. Follow the guidelines specified in the product's installation guide to achieve optimum performance and maximum Tx to Rx (transmitter to receiver) range.

ABOUT NDS SURGICAL IMAGING

At NDS Surgical Imaging (NDSsi), our vision is built upon the unique ability to supply the medical profession with technologies that enable practitioners to *integrate images* from many sources, *visualize a defect* or condition within the body and to *perform an intervention* that improves the quality of care. Founded in 1996, NDSsi is a privately held company in Silicon Valley with US-based manufacturing, R&D facilities and global sales and service offices. As the company moves into the next decade of innovation, the core focus remains to deliver cutting-edge visualization display products and informatics appliances that enable new clinical imaging solutions and fuel collaborative medicine. All NDSsi products are medical grade devices certified under the most stringent safety and environmental standards.

Learn more about NDS products at: www.ndssi.com



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Receiver (Rx)



Transmitter (Tx)



Mounted Using Display VESA Bracket