

ZEROWIRE®

Wireless High-Definition Video



ZeroWire



NDS's award-winning ZeroWire® technology is an advanced medical-grade wireless video solution for minimally invasive surgery and interventional procedures. It delivers full HD surgical video in real time, with less than one frame of latency. ZeroWire® complies with the EN 60601-1-2 standard and utilizes the Ultra-Wideband (UWB) frequency spectrum, providing a robust wireless video link that is protected from interference from other devices. ZeroWire® improves clinical efficiency and safety in the OR by eliminating video cables which require cleaning, frequent replacement, and are a potential tripping hazard. The proprietary memory-enabled pairing system makes installation quick and easy. ZeroWire® technology provides medical-grade quality of service and is specifically designed for the video transmission challenges of the surgical environment.

- Award-Winning Medical-Grade Wireless Video Technology
- Full High-Definition Video (1080p60)
- Ultra-Wideband Technology
- Less Than One Frame of Latency
- Easy to Use Pairing System
- Compact and Lightweight

First in Imaging



Receiver (Rx)



Transmitter (Tx)

ZeroWire®

SYSTEM PERFORMANCE

Wireless Signal Type	Ultra-Wideband (UWB)
Frequency Band	3.1 to 4.8 GHz (Single Channel 4.2 -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

UL 60601-1, EN 60601-1, EN 60601-1-2, FCC Part 15 Class A, EN 302 065, EN 301 489, CE 0673 Ⓢ, CISPR11, FCC ID: UEZTM7201, RoHS, WEEE MDD 93/42/EEC & 2007/47/EC, MDD Class I, FDA Class II, FDA 510(k) Clearance, Japan TELEC 001UWAA1005 and 001UWAA1006

NDSSI QUALITY SYSTEM COMPLIANCE

ISO 9001:2008 and ISO 13485:2003; FDA Registration # 2954921 & 1226517



Mounted Using Display VESA Bracket

* 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.



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