ZEROWIRE® *ULTRA*

Advanced Nine-Channel HD Wireless Video

NDS SURGICAL · IMAGING

ZeroWire ULTRA

Excellence in Surgical Products ESP 2012 Award Winner

The latest advancement in NDSsi's award-winning Ultra-Wideband (UWB) wireless technology, ZeroWire® *Ultra* allows up to nine transmitter/receiver pairs to operate simultaneously within neighboring vicinities (75- foot radius). Utilizing an innovative system of "Time Frequency Coding," ZeroWire *Ultra* units are programmed to change frequency bands in a specific sequence and timing, creating nine non-interfering channels. This enables a significant increase in wireless capability for the modern OR. Delivering full HD surgical video in real time with less than one frame of latency, ZeroWire *Ultra* is easy to install, interfaces to a wide range of video sources in the surgical environment, and complies with the EN 60601-1-2 standard. The ZeroWire *Ultra* solution helps eliminate cables, reduce cleaning and turnaround time, and improve OR safety.

- Nine-Channel Medical-Grade Wireless Video Technology
- Full High-Definition Video (1080p60)
- Ultra-Wideband Technology
- Less Than One Frame of Latency
- Easy to Install
- Compact and Lightweight

First in Imaging

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Receiver (Rx) Transmitter (Tx)

ZeroWire ULTRA

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

Mounted Using Display VESA Bracket

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: UEZTZM7201, 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

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

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