Lattice Semiconductor and NDS Surgical Imaging Announce Partnership, Leveraging 60 GHz WirelessHD® Technology to Deliver Wireless HD Video Capabilities for Medical Device Applications

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NDS Surgical Imaging Brings Expertise in Medical Device Manufacturing and Regulatory Compliance, While Lattice's SiBEAM ® Technology Offers Production-Proven, Robust WirelessHD Connectivity Solution

- Lattice's production-proven WirelessHD solution based on its SiBEAM millimeter-wave (mmWave) technology delivers low-latency, high-resolution HD video that is extremely reliable
- NDS Surgical Imaging (NDS) will offer design services and turnkey product development to medical device OEMs specifically for use in endoscopic minimally invasive surgical environments, helping to improve procedural workflow efficiency
- Partnership will allow medical device manufacturers to benefit from NDS's experience in bringing FDA-approved medical technologies with WirelessHD to market more quickly and efficiently

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PORTLAND, Ore.--(BUSINESS WIRE)--Nov. 14, 2016-- Lattice Semiconductor Corporation (NASDAQ:LSCC), the leading provider of customizable smart connectivity solutions, and NDS Surgical Imaging, a leader in designing and manufacturing medical visualization, imaging and video processing systems, today announced a strategic partnership leveraging Lattice's WirelessHD $^{®}$ solution specifically for medical device applications. Using Lattice's SiBEAM® mmWave technology, NDS builds upon its award-winning ZeroWire$^{®}$ ecosystem technology, delivering a second-generation platform and robust WirelessHD video link solution for endoscopic minimally invasive procedures including Endo/GI and laparoscopic surgery. This partnership strengthens NDS's market position to supply a real-time wireless 1080p video solution to global medical OEMs. A 4K ultra high-definition (UHD) wireless solution is a work-in-progress.

60 GHz wireless connectivity can potentially mitigate the total cost of ownership to healthcare facilities by helping reduce installation, maintenance and cleaning costs associated with cables in the procedure room. By equipping operating rooms with ZeroWire WirelessHD connectivity—designed to provide real-time HD video without noticeable video delay from the image source to the NDS surgical display—cables become obsolete, thereby removing potential tripping hazards from the floor and decreasing the chances of mishaps, while also helping to streamline operating room procedures and improve overall efficiencies.

"Using our SiBEAM mmWave technology, the NDS ZeroWire solution enables the wireless transmission of HD video in the operating room, offering key advantages to healthcare professionals," said Brian White, vice president and general manager, industrial and automotive business at Lattice Semiconductor. "We have chosen specifically to partner with NDS to support medical manufacturers interested in leveraging 60 GHz connectivity because of their proven expertise in medical imaging systems and regulatory compliance requirements. We believe our partnership will help accelerate adoption of WirelessHD connectivity in medical device applications resulting in greater cost savings and interoperability."

NDS brings an added advantage of in-depth expertise and understanding of the global regulatory compliance requirements for the medical industry. The company is FDA-registered and ISO-certified with all NDS products certified under the most stringent U.S., Asian and European medical regulations.

"As the healthcare industry drives to further streamline expenses, improve patient care and reduce hazards in the healthcare facilities, we looked for a wireless video link technology that would help address these needs while striving to differentiate our solution," said Karim Khadr, president and general manager at NDS. "We are proud to partner with Lattice, as the use of their WirelessHD technology within our ZeroWire ecosystem solution inside the operating room environment provides medical staff the utmost quality, reliability and mobility at a place and time that is most critical."

For more information about NDS's ZeroWire ecosystem wireless solution, please visit: http://www.ndssi.com/medical-imaging-products/zerowire-g2-wireless-endscopic-video.html

To learn more about Lattice's mmWave SiBEAM technology, please visit: http://www.sibeam.com/

About Lattice Semiconductor

Lattice Semiconductor (NASDAQ: LSCC) provides smart connectivity solutions powered by our low power FPGA, video ASSP, 60 GHz millimeter wave, and IP products to the consumer, communications, industrial, computing, and automotive markets worldwide. Our unwavering commitment to our customers enables them to accelerate their innovation, creating an ever better and more connected world.

For more information about Lattice please visit http://www.latticesemi.com. You can also follow us via LinkedIn, Twitter, Facebook, YouTube or RSS.

About NDS

Headquartered in Silicon Valley, CA, NDS is a global leader in designing and manufacturing endoscopy visualization, video processing, and wireless imaging systems. NDS technology solutions have led the way in re-defining modern operating rooms and endoscopy suites.

At the forefront of innovation in medical imaging technology, NDS delivers HD and 4K UHD visualization products that enable the clinical imaging solutions of the future, and drive constant improvements in collaborative medicine. NDS, a Novanta Company, has US-based R&D and manufacturing facilities, and a global presence in more than 35 countries. Novanta's common shares are quoted on NASDAQ under the ticker symbol "NOVT."

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