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## CoreAVI Announces Availability of DO-254 Certifiable FPGA and 3U VPX IP Design for Video Conversion

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**Tampa, Florida, March 16, 2021.** Core Avionics & Industrial Inc. (“CoreAVI”) announced today the availability of a new hardware Video Conversion Module to enable low latency video processing and graphics merging for mission critical applications. Part of the COTS-D family of safety certifiable module designs, the new VIM3006 Video Conversion Module is the result of a collaboration between sensor solutions provider HENSOLDT and CoreAVI. The FPGA-based design is available to be licensed from CoreAVI with all the data needed for technical support, manufacture, and repair. The module is also available with a data package to support certification to RTCA DO-254/EUROCAE ED-80 under A(M)C 20-152A as well as a FPGA and video processing driver with data package to support RTCA DO-178C/EUROCAE ED-12C certification.

The VIM3006 3U VPX Video Conversion Module is compatible with CoreAVI’s GPU XMC2 mezzanines, such as the GPMX002, to provide low latency video capture for processing and overlay, and video processing with seamless merging of rendered graphics and symbols. This provides an integrated sensor video and graphics output solution independent of a specific GPU, enabling the use of different GPUs as needed. It is designed to closely couple with the VkCore® SC video capture interface to provide low latency video processing for applications like combined vision, augmented reality, terrain following, weapons cueing, etc. The module supports two independent video input channels, capturing the two SMPTE292 HD-SDI or ARINC 818-2 inputs. Additionally, four independent display output channels convert the up to four TMDS (DVI) channels (from a GPU installed into the XMC 2.0 mezzanine site) to either SMPTE292 HD-SDI or ARINC 818-2 outputs. The FPGA IP may be customized to support various form factors and is also available as a rugged, conduction-cooled module adhering to VITA 41/42/65 (OpenVPX™) standards, purpose-built to withstand harsh mission environments.

“The VIM3006 Video Conversion Module is an essential building block to enable safety certifiable technology in mission critical applications,” said Dan Joncas, Chief Sales and Marketing Officer at CoreAVI. “Hensoldt and CoreAVI’s collaboration to formally certify and deploy this product into modern airborne platforms attests to both companies’ commitments to providing their customers with technology that meets the highest quality and performance standards.”

“We’re excited to collaborate with CoreAVI on this next generation video conversion solution,” said Clemens Peter, Head Avionics Equipment and Airborne Solutions at HENSOLDT. “Our mil/aero customers cannot compromise on performance, and our collaboration with CoreAVI on this hardware solution will offer both the flexibility and capabilities they desire in their modern, rugged systems. The joint development of this graphics capability provides a highly valuable addition to the HENSOLDT mission management portfolio.”

For more information, please contact CoreAVI.

### Media Inquiries

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### About Core Avionics & Industrial Inc.

Core Avionics & Industrial Inc. (“CoreAVI”) is a pioneer in the military and aerospace sector with a proven track record in providing entire software and hardware IP platform solutions that enable safety critical applications. A global leader in architecting and supplying real-time and safety critical graphics, compute, and video drivers, “program ready” embedded graphics processors, and DO-254/ED-80 certifiable COTS hardware IP, CoreAVI’s suite of products enables the design and implementation of complete safety critical embedded solutions for aerospace, automotive, and industrial applications that achieve the highest levels of safety certification with long-term support. CoreAVI’s solutions are deployed in commercial and military avionics systems, and support rapidly emerging compute applications in the automotive, unmanned vehicle, and internet of things markets. CoreAVI’s products may be purchased with certification data kits for the most stringent levels of safety certification, including RTCA DO-254/DO-178C, EUROCAE ED-80/ED-12C, and ISO 26262. [www.coreavi.com](http://www.coreavi.com)

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### About HENSOLDT

HENSOLDT is a pioneer of technology and innovation in the field of defence and security electronics. Based in Taufkirchen near Munich, the company is a German Champion with strategic leadership positions in the field of sensor solutions for defence and non-defence applications. HENSOLDT develops new products to combat a wide range of threats based on innovative approaches to data management, robotics and cyber security. With approximately 5,500 employees, HENSOLDT generated revenues of 1.11 billion euros in 2019. [www.hensoldt.net](http://www.hensoldt.net)