

## Creonic Releases DVB-S2X Demodulator Version 6.0 with Increased Bitwidth and Annex M Support

Kaiserslautern, Germany – July 31, 2025 – Creonic GmbH, the leading provider of cutting-edge communications IP cores, announces the release of Version 6.0 of its [DVB-S2X Demodulator IP core](#). This major update introduces powerful enhancements that expand the configurability and technical performance of one of Creonic's most mature and widely used products.

The new release adds optional support for Annex M, expanding compatibility with additional DVB-S2X transmission profiles and providing customers with greater flexibility when deploying the demodulator in complex satellite communication environments. The input sample interface has been upgraded to support 16-bit resolution, a significant improvement over the previous 12-bit standard. This improvement translates into a higher dynamic range, allowing for more precise signal representation and improved robustness against errors, particularly in challenging RF conditions. It also enables faster synchronization of signals from satellites above the horizon, which is crucial in dynamic link scenarios or when dealing with rapidly acquired signals. Additionally, the upgrade enables seamless integration with modern analog-to-digital converters (ADCs) that offer 16-bit output resolution. This makes it easier for developers to connect the demodulator directly to high-resolution front-end hardware, eliminating the need for additional scaling logic.

With this release, Creonic continues to strengthen its portfolio of cutting-edge IP cores for satellite communication systems. The enhanced DVB-S2X Demodulator (V 6.0) is now available for ASIC and FPGA platforms and is backed by the company's commitment to technical excellence, quality, and customer support.

For more information about the Creonic DVB-S2X Demodulator IP core or to request a free consultation, please visit [www.creonic.com](http://www.creonic.com) or email us at [sales@creonic.com](mailto:sales@creonic.com).

### About Creonic

Creonic is the ISO 9001:2015 certified leader in ready-for-use IP cores, offering a rich services and product portfolio for wired, wireless, fiber, and free-space optical communications. Covering essential digital signal processing algorithms such as forward error correction, modulation, equalization, and demodulation, as a preeminent provider, our solutions support industry standards like 3GPP 5G, DVB-S2X, DVB-RCS2, CCSDS, and Wi-Fi. Designed for ASIC and FPGA technologies, Creonic's products meet the highest benchmarks of quality and performance. Trusted by dozens of customers worldwide, from innovative start-ups to global corporations, our IP cores power communications devices and chipsets, satellites, and NewSpace ventures, enabling unparalleled reliability and success in advanced communication systems.

For more information, please visit [www.creonic.com](http://www.creonic.com).

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