

New Product Announcement

TI's DS90UB935-Q1 FPD-Link III Serializer Now Shipping from Mouser for Automotive Camera and ADAS Applications

November 1, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [DS90UB935-Q1](http://www.ti.com/lit/gsp/DS90UB935-Q1) serializer from [Texas Instruments](http://www.ti.com) (TI). The automotive-rated serializer is part of TI's FPD-Link III family, designed to support high-speed, space-constrained raw data sensors in cameras, satellite radar, LIDAR, and time-of-flight (ToF) applications.

The [TI DS90UB935-Q1](http://www.ti.com/lit/gsp/DS90UB935-Q1) serializer, available from Mouser Electronics, provides a high-speed forward channel and an ultra-low-latency bidirectional control channel, plus support for power over a single coax or shielded twisted pair (STP) cable. The serializer is compliant with the MIPI CSI-2 interface for video data, offering a bandwidth over 2.5 Gbits per second. The device supports autonomous driving and advanced driver-assistance systems ([ADAS](http://www.ti.com/lit/gsp/ADAS)) through advanced diagnostic and data-protection features, including CRC data protection, sensor data integrity check, I²C write protection, voltage and temperature measurement, programmable alarm, and line fault detection.

The DS90UB935-Q1 serializer features a wide operating temperature range of negative 40 to 105 degrees Celsius and is available in a compact 5 mm × 5 mm VQFN package. When combined with a companion deserializer such as the TI [DS90UB936-Q1](http://www.ti.com/lit/gsp/DS90UB936-Q1), the DS90UB935-Q1 delivers precise multi-camera sensor clock and [sensor](http://www.ti.com/lit/gsp/sensor) synchronization. The DS90UB935-Q1 devices are AEC-Q100 qualified for [automotive](http://www.ti.com/lit/gsp/automotive) applications and include HBM ESD Classification Level 3A and CDM ESD Classification Level C6.

To learn more, visit www.mouser.com/ti-ds90ub935-q1-serializers.

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About Mouser Electronics

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