

AIVION announces next generation 3G/HD-SDI Interface Board with up to 1080p60 resolution and optimized form factor for the Tamron block camera MP1010M-VC

- *The TL8651 supports the video transmission of uncompressed image signals with 3G-SDI (SMPTE ST424M Level A) and HD-SDI (SMPTE292M) and now offers a maximum resolution of 1080p with an image frequency of 60 Hz.*
- *The TL8651 video interface board can be mounted directly to the side of the Tamron MP1010M-VC camera module and the interface board form factor is optimal adjusted to the dimensions of the camera.*

Munich (Germany), 15. May 2017 - AIVION, leading provider of video interface solutions, today announced the next generation of the 3G/HD-SDI interfaces for the Tamron Ultra-Compact Camera Module MP1010M-VC. The Interface Board TL8651 can be mounted on the side of the camera. With a size of 60 mm to 36 mm, the board fits optimal to the size of the camera. This simple, cost-effective and reliable solution is not only suitable for security and surveillance applications but also advantageous for an extensive range of customizations.

The Tamron camera is connected via the LVDS video interface. The new interface board TL8651 supports beside 1080p (50Hz, 30Hz, 25Hz), 720p (60Hz, 50Hz) and 1080i (60Hz, 50Hz) also 1080p60Hz. The uncompressed image signals are transmitted according to the standard SMPTE ST424M Level A (3G-SDI) and SMPTE292M (HD-SDI). The Tamron camera module MP1010M-VC can be controlled via the RS232 interface with the AIVION Camera Control Software.

The boards have a right angled DIN7A connector. On request, the boards can be supplied with varies other connector options and angles.

The evaluation kit TL8651-EVK-MP1010M-VC contains all items to easily connect camera, interface & monitor and computer/ control unit . The kit contains a Tamron MP1010M-VC Camera, a 3G/HD-SDI Board (TL8651-D-RA), a Power supply and control interface board (EK-PA1100), a 1 meter connector cable with a 75Ω BNC Straight Plug and a 75Ω DIN Straight Plug - Certified for 3Gbps (TL-EVK-DIN-BNC-1) and a Base cable kit (TLCK-B).

About Tamron MP1010M-VC with Optical Vibration-Compensation Feature

Tamron is a well known optics manufacturer and leader in the security/surveillance equipment industry. In January 2016, the first block camera MP1010M-VC was announced. A powerful Omnivision sensor is built in. The camera assures high-quality image stabilization when images are captured in a vibrating environment.

“Tamron's Full HD Block Camera is a very compact imaging solution with excellent optical performance and optical Vibration-Compensation. The camera module opens up new potential applications in various markets like industrial, medical, inspection, ROV and Security. Our new 3G/HD-SDI Interface Board TL8651 provide OEM's in these market segments an optimal interface solution while speeding time to market when using our evaluation kit.” said Werner Schoeppner, Sales Director of AIVION.

Pricing and Availability

Pricing and availability info via email: sales@aivion.com

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About AIVION

AIVION is a cooperation and a registered trademark of Visual Communication Systems GmbH and eVision Systems GmbH.

Visual Communication has an outstanding knowledge in the field of video & broadcast and an extensive engineering know how in System, PCB, FPGA and DSP design, while eVision Systems brings a strong FPGA and methodology background and decades of sales and marketing expertise into the cooperation.

The mission of the cooperation is to develop and market advanced interfaces, cameras and video based components mainly for OEM clients.

Today, Aivion offers the broadest range of interfaces for block cameras and has developed advanced products like the optical fiber, USB 3.0 interfaces and the USB3.0 “Plug and Play” camera. Dozens of customizations for different applications and markets round off the customer driven approach.

To assure best quality all products are manufactured in Germany.

Further information is available on the Internet at <http://www.aivion.com>.