

AIVION announces next generation HDMI Interface Board with up to 1080p60 resolution and optimized form factor for the Tamron block camera MP1010M-VC and MP1110M-VC

- *The TL8652 supports HDMI 1.4 output and offers now a maximum resolution of 1080p with an image frequency of 60 Hz.*
- *The TL8652 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.*
- *The TL8652A board also has an onboard MEMS microphone with an audio output over HDMI*

Munich (Germany), 28. August 2018 - AIVION, leading provider of video interface solutions, today announced the next generation of the HDMI interfaces for the Tamron Ultra-Compact Camera Modules MP1010M-VC and MP1110M-VC. The Interface Board TL8652 can be mounted on the side of the camera. With a size of 61 mm to 42 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 HDMI 1.4 interface board TL8652 supports beside 1080p (50Hz, 30Hz, 25Hz), 720p (60Hz, 50Hz) and 1080i (60Hz, 50Hz) also 1080p60Hz.

The board has a Micro-USB connector for the power supply (5V DC). The Tamron block cameras can also be controlled with the AIVION Camera Control software via this USB port. Other control interfaces such as RS232 and TTL are also integrated.

The additional version TL8652A has an onboard MEMS microphone on the bottom side. Sound waves can pass to the microphone through a small PCB hole.

The camera evaluation kits TL8652-EVK-MP1010M-VC and TL8652-EVK-MP1110M-VC include a Tamron MP1010M-VC or the new Tamron MP1110M-VC camera depending on the kit. The kit contains all items to easily connect camera, interface & monitor and computer/ control unit. It contains the HDMI Board (TL8652), a USB cable (TL-EVK-USB2-A-MICROB), a High-Speed HDMI Cable with HDMI-A 19 and 1 HDMI Micro-D 19 pin male connector (TL-EVK-HDMI-MICRO-D) and a 30 pin KEL USL type micro coaxial cable for the LVDS connection.

Tamron Block Cameras

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. In June 2018, Tamron announced the market launch of the new camera MP1110M-VC. In addition to the well-known features like Optical Vibration-Compensation Mechanism, Compact and Light Weight Body, Full HD and High Optical Performance, the camera has additional features such as Motion Detection (Detection of Moving Objects), 16x Digital Zoom and Extensive Correction of Distortions.

“Tamron's Full HD camera modules are very compact imaging solutions with excellent optical performance and optical Vibration-Compensation. The camera modules open up new potential applications in various markets like industrial, medical, inspection, ROV and Security. Our new HDMI Interface Board TL8652 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@aivoin.de

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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.de>.