

### **AIVION announces a new 3G-SDI & analog YPbPr combination interface for block cameras**

**Munich (Germany), 15. February 2021 - AIVION**, the leading provider of video interface solutions, announced the TL7055, a small form factor 3G-SDI/HD-SDI plus analog YPbPr output video transmitter for zoom block cameras with an industry-standard LVDS interface. The Interface Board TL7055 can be mounted on the back of the camera. With a 46 mm to 44mm size, the board fits optimal to the AIVION zoom block cameras, the Sony FCB-EV7520A, or the Tamron MP1110M-VC. This simple, cost-effective, and reliable solution is suitable for industrial, medical, law enforcement, and security applications and advantageous for cameras with simultaneous 3G-SDI and analog HD output requirements.

The block camera LVDS video input signals are demultiplexed, processed, and encoded by the TL7055. A transparent full-duplex communication channel accomplishes camera control. The physical layer between the camera and camera controller is based on an RS232 level interface.

The 3G-SDI output is compliant to SMPTE 424M level A, and the HD-SDI output is compliant to SMPTE 292M. The SDI Video output is over an MCX connector that supports the following formats:

- 1080p60 /59.94 /50 /30 /29.97 /25 Hz
- 1080i60 /59.94 /50 Hz
- 720p60 /59.94 /50 /30 /29.97 /25Hz

The analog YPbPr Video output is over an 8pin board to wire connector and supports:

- 1080p60 /59.94 /50 /30 /29.97 /25 Hz
- 720p60 /59.94 /50 Hz

The interface operates fully automatic to output the video over SDI and analog YPbPr. Synchronization is provided as SMPTE compliant tri-level sync on the Y signal. The TL7055 also has an integrated test pattern generator, activated and deactivated by VISCA commands.

**Pricing and Availability**

The TL7055 is now orderable. The AIVION Technovations products are available on the eVision systems video online shop:

<https://evision-systems-video.com/TL7055-3G-SDI-analog-YPbPr-Interface/TL7055-PK>

Pricing and availability info via email: [sales@aivion.de](mailto:sales@aivion.de)

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AIVION Website: [www.aivion.de](http://www.aivion.de)

**About eVision Systems GmbH**

eVision Systems GmbH supports companies targeting the development of microelectronics with a substantial portfolio of measuring- and testing equipment, electronic design automation (EDA) development tools, and services.

Since we founded eVision Systems GmbH, it has always been the goal to help young, innovative companies to enter the Central European market. It is common to all their products that the technology is unique, that they are more than an alternative to established solutions, and that they enhance and complement existing design flows. Safety in the design, reusability, and increased productivity, as a result, are the success factors for their customers.

Acceleration of the simulation and verification of complex designs through formal verification, HDL simulation, Linting, and Code Coverage are a few of the topics they address with these emergent and trendsetting products.

Together with [ALDEC](#), [Agnisys](#), [Dediprog](#), [Micron Advanced Computing Solutions](#), [One Spin Solutions](#), [Passmark](#), [PEmicro Computer Systems](#), [Prodigy Technovations](#), [Sigasi](#), [Siglent](#), [sparavis](#) and [Total Phase](#) , we work with customers throughout Europe.

You can find more information on our website: [www.evision-systems.de](http://www.evision-systems.de) or on our online shop [www.evision-webshop.de](http://www.evision-webshop.de).

**eVision Systems Video Shop**

The eVision Systems Video Shop is the official international online shop for all AIVION products and complimentary video system integrators' equipment.

Our focus is to provide immediate access to the whole AIVION portfolio. The technical support team is in direct contact with AVION engineering and manufacturing to provide short answers and actual delivery dates.

Focusing on your success, you may contact us if you are unsure which products would fit best for your applications. In cases where customers have unique challenges, AIVION also offers individual customizations to ensure that our products fit into your systems. Please contact us if you want to get more information about individual solutions.

eVision Video Onlineshop: <https://evision-systems-video.com>

**About AIVION**

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

Visual Communication has 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 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 the best quality, all products are manufactured in Germany.

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