

AIVION announces the TL4K1171 - a new 6G-SDI video interface for block cameras

Munich (Germany), 11. March 2022 - AIVION, the leading provider of video interface solutions, announced the TL4K1171, a small form factor 6G-SDI video interface for autofocus zoom block cameras. With a video format support of up to 3840x2160p at 30fps is the solution ideal for cameras with long-reach cable requirements.

TL4K1171 video outputs:

- 6G-SDI compliant to SMPTE ST2081-10 MODE 1 mapping
- Dual Link 3G-SDI compliant to SMPTE ST425-3 2si mapping
- 3G-SDI FHD compliant to SMPTE ST425-1 level A

Camera video input signals are equalized, processed, and output over straight MCX connectors. The standard version has a straight MCX Connector, but there are also straight- and right-angle connectors of the DIN7A, HD-BNC, and MCX connector available.

The Camera can be controlled with an RS232 and 3.3V TTL level serial camera control interface. The production kit includes a 30wire micro coaxial cable connecting the TL4K1171 to the camera and a 10wire power supply and serial control cable harness. The operating conditions for this board are -5°C to +60°C.

On the TL4k1171 is also an external sync interface for the Sony FCB-ER8550 available.

The 6G-SDI interface can be mounted behind the camera. With a 60 mm to 46mm size, the board fits the AIVION zoom block camera AZM-US18H, and the Sony Cameras FCB-ER8300, FCB-ER8530, FCB-ER8550, FCB-ES8230, and FCB-EW9500H.

Pricing and Availability

The TL4K1171 is now orderable. The AIVION Technovations products are available on the eVision systems video online shop:

<https://evision-systems-video.com/TL4K1171-6-Gbps-UHD-SDI-3-Gbps-Dual-Link-UHD-SDI-Interface/TL4K1171-PK>

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

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

AIVION Website: www.aivion.de

About eVision Systems GmbH

eVision Systems GmbH helps you with questions around the development of projects based on microelectronic devices like FPGA and ASIC.

For almost 20 years, we have been supporting our customers not only with innovative tools but also with training, support, and Know-How. Today we are the central point of contact for everything concerning FPGA, ASIC design, and system debugging. From the system specification of the HW/SW interfaces to the creation and verification of HDL codes for FPGA and ASIC projects to prototyping, we offer solutions from our highly specialized partners.

Since embedded systems include FPGAs and microcontrollers, we support their development & prototyping with programming devices, debuggers, and suitable measurement and test equipment.

Together with [ALDEC](#), [Agnisys](#), [AIVION](#), [Atten](#), [Dediprog](#), [Empyrean](#), [Ikalogic](#), [Passmark Software](#), [PEmicro](#), [Prodigy Technovations](#), [Sigasi](#), [Siglent](#), and [Total Phase](#), we work with customers throughout Europe.

You can find more information on our website: www.evision-systems.de or on our online shop www.evision-webshop.de.

eVision Systems Video Shop

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

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. Don't hesitate to contact us if you want to get more information about unique solutions.

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

About AIVION

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

Visual Communication has outstanding knowledge in video & broadcast and extensive engineering know-how in System, PCB, FPGA, and DSP design. At the same time, 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 ensure the best quality, all products are manufactured in Germany.

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