AIVION announces the SL4651 - a new Full-HD TVI / AHD video interface for block cameras

Munich (Germany), 02. February 2022 - AIVION, the leading provider of video interface solutions, announced the SL4651, a small form factor HD-TVI (High-Definition Transport Video Interface) /AHD (Analog HD) video interface for zoom block cameras. With a video format support of up to 1920x1080p (30fps) for HD-TVI or 1280x720p (60/50 fps) for AHD video is the solution ideal for cameras with long reach cable requirements. AHD and HD-TVI are also video formats that can be based on the existing coaxial cabling. They can keep up with IP surveillance technology in terms of image resolution and have the advantage of almost zero latency on their side.

The block camera LVDS video input signals are demultiplexed, processed, and output over an MCX coaxial connector. The standard version has a Right angle MCX Connector, but there are also straight- and right-angle connectors of the DIN7A and MCX connector available.

For system integrators who wish to use twisted-pair cabling instead of coax cabling, a custom version is available that allows to directly solder the twisted pair cables to the board.

The SL4651 can be mounted on the side of the camera. With a 55 mm to 36mm size, the board fits the AIVION zoom block cameras AZM-FS10L, AZM-FS36-LVH, the Tamron MP1010M-VC, and the Sony Cameras FCB-EV7520A, FCB-EV7520, or FCB-EV7100. This simple, cost-effective, and reliable solution is suitable for cameras requiring Full-HD TVI or AHD output signals.

The Camera can be controlled via a transparent full-duplex communication channel. The physical interface between camera and camera controller or PC is based on RS232, 3.3V TTL, or optional on RS485. The production kit also includes a 30wire micro coaxial cable connecting the SL4651 to the camera and a 10wire power supply and serial control cable harness. The operating conditions for this board are -10°C to +60°C.

Pricing and Availability

The SL4651 is now orderable. The AIVION Technovations products are available on the
eVision systems video online shop:
https://evision-systems-video.com/SL4651-Analog-HD-TVI/SL4651-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](#), [Dediprog](#), [Empyrean Software](#), [Passmark](#), [PEmicro Computer Systems](#), [Ikalogic](#), [Passmark](#), [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 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.