

AIVION announces the new UHD HDMI to 6G-SDI converter NA4K2022

- *HDMI 1.4b input interface with HDMI-A connector*
- *6G-SDI and Dual Link 3G-SDI output of UHD formats*
- *Native signal processing for the highest image quality*

Munich (Germany), 31. May 2022 - AIVION, the leading video interface solution provider, announced the NA4K2022, a small form factor UHD HDMI to SDI converter module. It is designed for applications requiring minimum size (46mm x 60mm) and 4K UHD and Full HD HDMI to SDI conversion with the highest image quality. This cost-effective and reliable solution is suitable for industrial, medical, law enforcement, professional video, and many other applications.

The NA4K2022 is an HDMI 1.4b to serial digital video (SDI) converter. Video input signals are equalized, decoded, processed, and output over coaxial connectors.

- 6G-SDI output is compliant with SMPTE ST2081-10 MODE 1 mapping
- Dual Link 3G-SDI output is compliant with SMPTE ST425-3
- 3G-SDI FHD outputs comply with SMPTE ST425-1 level A standards.

NA4K2022 provides a status information interface based on RS232 or 3.3V TTL level. A ten wire flying leads cable for power input and status output is included.

The supported video formats are:

- UHD: 3840x2160p30, 3840x2160p29.97, 3840x2160p25
- FHD: 1920x1080p60, 1920x1080p59.94, 1920x1080p50

The standard version of the NA4K2022 has two SDI outputs with 75-ohm MCX straight jacks connectors. There are also right-angle or straight coaxial connectors like DIN7A or HD-BNC as an option possible.

Overview Features NA4K2022:

- HDMI 1.4b compliant input on HDMI-A connector
- Up to 4K 3840x2160@30fps HDMI input / SDI video output
- Supply voltage 9V to 15V DC
- Operating ambient temperature range -5°C to +60°C
- Operating humidity range from 20% to 80%
- Power consumption 5.2W with 12V DC supply voltage (UHD 2160p29.97)
- Board size (L x W) 46mm x 60mm
- Wire/cable kit external interconnect
- RoHS compliant (2002/05/EG and 2011/65/EU)
- UL/UR compliant

Pricing and Availability

The NA4K2022 is now orderable. The AIVION Technovations products are available on the eVision systems video online shop:

<https://evision-systems-video.com/NA4K2022-6-Gbps-DL-3Gbps-UHD-HDMI-SDI-Converter/NA4K2022>

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

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AIVION Website: 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 some of the topics they address with these emergent and trendsetting products.

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 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 get in touch with us if you want to get more information about individual solutions.

eVision Video Online shop: <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 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 cooperation's mission 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 and other EU countries.

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