

AIVION announces a new HDMI to SDI converter with a board-to-board connector

- *Interactable small form factor HDMI to SDI converter*
- *The NA1012B-ET has an extended temperature range of -40C to +85C*
- *HDMI board2board connector with supported video formats up to 1920x1080p 60Hz*

Munich (Germany), 02. March 2021 - AIVION, the leading video interface solution provider, announced the NA1012B-ET, a small form factor HDMI to SDI converter module. It is designed for applications where minimum size and industrial temperature range are required. HDMI video input and power supply voltage are using a board2board connector on the new converter, eliminating the need for HDMI and power cables. The converter module can be easily plugged onto system boards with a mechanically stable connection. For system integrators, AIVION will provide 3D models and specific system integration information. There is also an evaluation kit available for customer that do not have their own system board yet.

This cost-effective and reliable solution is suitable for avionics, industrial, medical, law enforcement, and professional video applications.

The HDMI input is compliant to HDMI 1.4a and DVI and supports RGB 444, YCbCr 444 and YCbCr 422. The supported video formats are:

- 1080p at 60/ 50/ 30/ 25/ 24/ 59.94/ 29.97/ 23.98 Hz
- 1080i at 60/ 50/ 59.94
- 720p at 60/ 50/ 59.94

The two SDI outputs are 75-ohm MCX jacks connectors. They are supporting bit rates due to SMPTE292M (HD-SDI) and SMPTE424M (3G-SDI):

- 1.485 Gbps
- 1.485/1.001 Gbps
- 2.97 Gbps
- 2.97/1.001 Gbps

Pricing and Availability

The NA1012B-ET is now orderable. The AIVION Technovations products are available on the eVision systems video online shop:

<https://evision-systems-video.com/NA1012B-ET-HDMI-TO-3G-HD-SDI-CONVERTER-board-to-board-connector/NA1012B-ET>

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 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 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 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 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.

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