Let's make it perfectly clear...

Applied Video Imaging

PRODUCT BROCHURE

Applied Video Imaging

AVI - Optimize your sensor suite.™

Providing a cost effective, open, and modular approach to mission system solutions

Rugged 3G-SDI Video Products
for Airborne, Ground, and Marine Surveillance Missions

Switches • Converters • Processors • Displays • Controllers

www.appliedvi.com

3-G SDI Video Switches, Splitters, and Re-Clockers

S000108-00 8X8 Switch
Eight SDI in, Eight SDI out non-blocking switch (any input to any or all outputs).

S000116-00 16X16 Switch
Sixteen SDI in, Sixteen SDI out non-blocking switch (any input to any or all outputs).

S05020X-00 1X4 Splitter
One SDI in, Four SDI out. Available in one, two, or four channel versions.

S10020X-00 Re-Clocker
SDI in, SDI out. Available in two, four, or six channel versions.

Miscellaneous SDI Video Converters and Processors

C200301-00 VGA to SDI Converter
One VGA in, three scaled SDI video out.

C220301-00 SDI to VGA Converter
One SDI in, one SDI in loop through, one scaled VGA video out.

P000100-00-00 General Purpose Processor
AM335x 1GHz Arm Cortex-A8 processor with RS232, R422, RS485, I/O, and Ethernet

Q000304-00 Quad Image Processor
Four SDI in, two SDI and one DVI out. Inputs combined as a single quad image with multiple layouts.

Q000304-01 IP68 Rated Quad Image Processor
Four SDI in, two SDI and one DVI out. Inputs combined as a single quad image with multiple layouts.

C500301-00 DisplayPort to SDI Converter
One DisplayPort in, three SDI out.

C40030X-00 SDI to SDI Scaling Converter
SDI in, SDI Loop, and two SDI out. Available in one or two channel versions.

C400301-01 IP68 Rated SDI to SDI and Scaling Converter
SDI in, SDI Loop, two SDI out and DVI Out.

C600301-00 RGB Sync Converter
Converts RGBs, RGsB, to RGBHV and RGBs

DVI/HDMI to 3-G SDI Video Converters

C00030X-00
DVI-D/HDMI in, scaled to three SD, HD, or 3-G SDI video out. Available in one, two, or four channel versions.

C00030X-01 IP68 Rated
DVI-D/HDMI in, scaled to three SD, HD, or 3-G SDI video out. Available in one or four channel versions.

C000302-04
Two channels of DVI-D/HDMI in, scaled to five SD, HD, or 3-G SDI video out for each channel.

3-G SDI to DVI/HDMI Video Converters

C25030X-00
One SDI in, one SDI in alternate, one SDI in loop through, one scaled DVI-D/HDMI out. Available in one, two, or four channel versions.

C25030X-01 IP68 Rated
One SDI in, one SDI in alternate, one SDI in loop through, one scaled DVI-D/HDMI out. Available in one or four channel versions.

C250301-03
SDI in, one SDI in alternate, one SDI in loop through, one scaled DVI-D/HDMI out. DVI Surge Suppressor and MIL-STD 1275E DC/DC module.

NTSC/PAL to SDI and SDI to NTSC/PAL Video Converters

C10030X-00
Composite, S-Video, or Component NTSC/PAL in, two SDI video out. Available in one, two, or four channel versions.

C15030X-00
One SDI in, one SDI loop through, Composite, S-Video, or Component NTSC/PAL video out. Available in one, two, or four channel versions.

User Interface Modules

UIM001-00
PCAP Six Button module with DZUS mounts. Customizable Icons.

UIM001-01
Mechanical Six Button module with DZUS mounts. Customizable Icons.

UIM002-00
PCAP Twelve Button module with DZUS mounts. Customizable Icons.

UIM002-01
Mechanical Twelve Button module with DZUS mounts. Customizable Icons.

UIM003-00
PCAP Eighteen Button module with DZUS mounts. Customizable Icons.

UIM003-01
Mechanical Eighteen Button module with DZUS mounts. Customizable Icons.

UIM002-02
PCAP Twelve Button module with DZUS mounts. Customizable Icons.

UIRS02-00
Panel Mount Programable two to sixteen positions rotary switch selector with customizable Icons and position stops.

Rugged Multifunction Displays

AVI's Third Generation Display Architecture

- Modular Approach
- Encapsulates functionality
- Better Heat Dissipation
- IP68 Design
- Increased Installation flexibility
- Reduced overall size/volume/mass
- Electronics and User Interface can be mounted on the LCD or remotely

Models: -00 High Bright, -01 High Bright w/ Touch Screen, -10 High Bright NVGS Mode, -11 High Bright NVGS Mode w/ Touch Screen

D072-XX
7" Full HD, IP68 Rated.

D102-XX
10.1" Full HD, IP68 Rated.

D122-XX
12.1" HD, IP68 Rated.

D152-XX
15.6" Full HD, IP68 Rated.

D172-XX
17.3" Full HD, IP68 Rated.

D212-XX
21.5" Full HD, IP68 Rated.

D242-XX
23.8" Full HD, IP68 Rated.

DEUXX1-100 Display Electronics Unit
IP68 Rated. Display mount or remote up to two meters, four SDI inputs, one SDI output, Ethernet, Serial, and I/O. Two power ratings. HDMI option. Multiple user interface options for display control, including AVI's User Interface Modules.

eDP Cable
IP68 Rated when mated. Micro Bi-Lobe connectors. Available in 0.5, 1.0, and 2.0 meter lengths.

About Applied Video Imaging

- AVI established in 2012, Based in Charlottesville VA, USA.

- AVI specializes in rugged SDI (Serial Digital Video) products.

- Three-year warranty on all products.

- AVI's primary market focus is Airborne, Ground, and Marine based ISR Mission Systems.

- DO-160 test reports available or pending.

- AVI's product approach is to provide encapsulated SDI processing modules for creating optimal mission system architectures.

- AVI's "building block" approach to mission systems design provides customers:

  - Lower system complexity

  - Lower system component costs

  - Decreased installation costs

  - Lower installed system weight

  - Lower lifecycle costs

  - Greater system operational flexibility and mission operational effectiveness

- Customer and Engineering focused.

Go to AVI's web site to download detailed specifications on the data sheets for all of our products in this catalog.

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