



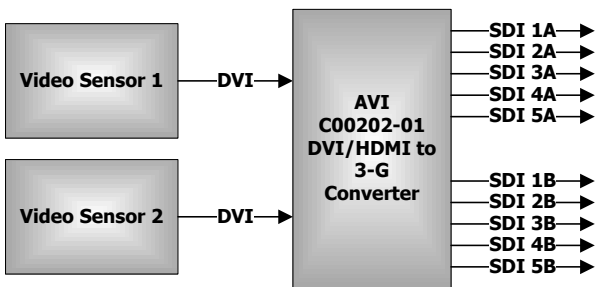
DVI/HDMI to 3-G SDI Video Converter – Two Channel Input Five SDI Outputs

Overview

The AVI DVI/HDMI to 3-G SDI Video Converter is a rugged stand-alone unit that can convert two channels of DVI-D or HDMI video inputs to five SD SDI, HD SDI, or 3-G SDI video outputs for each channel

The DVI/HDMI video input is can accept all SD through 3-G SDI format standards. Low latency, high performance processing provides SDI encoding to five multiplexed SDI outputs. Re-locked outputs provide robust, maximum distance transmission of SDI video.

Stand-alone or in combination with various AVI system components, AVI's rugged DVI/HDMI to 3-G SDI Video Converters offer a high performance solutions for converting DVI or HDMI video to SDI. Now all sensors and mission video sources can be used, maximizing the capability of the mission system.



Standard Features

- Two DVI-D or HDMI input
- Ten 3G/HD/SD SDI outputs
- DVI and SDI lock LED for valid input and output
- Inputs auto detected
- SMPTE 259M, 292M, 296M, 425M, ITU-R BT.656 and ITU-R BT.601 compliant
- Simple plug-and-play functionality
- 9 – 36 V DC Power



- MIL-STD 38999 circular power connectors
- -30 C° to 65 C° operation
- Heat dissipating enclosure
- Two year warranty

Benefits

- Converts video to SDI format for +100m transmission and distribution
- Less susceptible to noise and signal loss compared to DVI-D and HDMI format transmission
- Allows single, unified cabling infrastructure on sensor platforms
- Can be used as a “portable device” port for distribution and display of tablets and laptops
- Reduction in wiring weight and complexity – low weight coaxial cable can be used
- Open - works with any DVI/HDMI source capable of SDI formats

Typical Applications

- Surveillance systems
- Airborne Law Enforcement sensor systems
- Customs and Boarder Protection sensor systems
- Naval and Coastguard ship’s sensor and mission systems
- Naval, Air Force, and Coastguard rotary and fixed wing mission systems
- Ground Vehicle sensor mission systems
- Aerial News Broadcast systems



AVI – Optimize your sensor suite.™

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Video Inputs Video Outputs	<ul style="list-style-type: none"> DVI-D/HDMI (2) <ul style="list-style-type: none"> DVI-D Female Sub-D Gold Plated 3G/HD/SD (10) <ul style="list-style-type: none"> Re-clocked 10 bit, 4:2:2 color encoding Connector type – BNC 75 Ω 	Model Number	<ul style="list-style-type: none"> C000202-01
Video Input Video output Formats	<ul style="list-style-type: none"> DVI/HDMI and 3G – SMPTE 424M <ul style="list-style-type: none"> 2.97 and 2.967Gb/s 1080p@60/59.94/50Hz Format SMPT 425M Level A DVI/HDMI and HD – SMPTE 292M/274M/296M <ul style="list-style-type: none"> 1.485 and 1.435Gb/s 1080i@60/59.94/50Hz 1080p@30/29.97/24/23.98Hz 720p @60/59.94/50/30/29.97/24/23.98Hz DVI/HDMI and SD – SMPTE 259M <ul style="list-style-type: none"> 270Mb/s 625i/625p@50Hz 525i/525p@59.94Hz 	Environmental DO-160 Tested	<ul style="list-style-type: none"> Operating Temp Low -30°C / -22°F DO-160G Cat B4 Operating Temp High +65°C / +149°F DO-160G Cat B4 Short Term Op Temp Low -35°C / -31°F DO-160G Cat B4 Short Term Op Temp High +70°C / +158°F DO-160G Cat B4 Ground Survival Low Temp -55°C / -67°F DO-160G Cat B4 Ground Survival High Temp +85°C / +185°F DO-160G Cat B4 Temp Variation 5C° per minute DO-160G Cat B Humidity 0 to 95±4% @ 50C° DO-160G Cat A Operational Shock & Crash 6g @ 20ms, 20g Sus DO-160G Cat A Vibration Random, 10-2000Hz DO-160G Cat R,U2 EMI/EMC Sec 18, 19, 20, 21 DO-160G Cat B, CC, R, B Voltage Spike 2x Line Voltage DO-160G Cat B Waterproofness Drip Test DO-160G Cat W Ingress Rating IP67 Altitude Operating 25,000ft DO160G Cat B
Power	<ul style="list-style-type: none"> +9 to +36 DC 0.34 A @ 28V DC Connector Type MIL-STD D38999/24FB98PN 	Dimensions and Weight	<ul style="list-style-type: none"> 158 mm [6.2 in] W, 42.0 mm [1.7 in] H, 108 mm [4.3 in] D, single and two Channel 238 mm [9.4 in] W, 42.0 mm [1.7 in] H, 108 mm [4.3 in] D, Four Channel 1.052 kg [2.32 lbs]

