

# AV-CV150

3G SDI to HDMI with 3G-SDI loop-out



The Avonic AV-CV150 SDI to HDMI converter allows SD-SDI, HD-SDI and 3G-SDI signals to be shown on HDMI/SDI displays while ensuring high bit rates of 2.970 Gbit/s to give a fast signal transmission without any loss. For professionals this means that it is now easier to distribute and extend the 3G SDI signal while giving the ability to display an image on HDMI displays thanks to the built in HDMI converter. Furthermore, thanks to the loop-through 3G-SDI design, users are able to enjoy both SDI and HDMI displays at the same time.



## Features

- Support HDMI timing: 480i, 576i, 720p50/60, 1080p 24/25/30, 1080i 50/60, 1080p 50/60
- Operate at 2.970Gbps, 2.970/1.001Gbps, 1.485Gbps, 1.485/1.001Gbps and 270Mbps
- Simultaneous display HDMI source on two SDI displays
- Equalized and re-clocked loop output.
- Integrated audio de-embedder up to 8CH PCM 48kHz for HDMI
- Auto video mode detection (3G/SD/HD)
- Connect with other units (SDI to HDMI) to extend the signal over long distance
- Support signal transmission distance up to 300M for SD signals, 200M for HD signals and 100M for 3G signals

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Specifications	AV-CV150
HDMI	
SDI	SMPTE Standard 425M Level A,B 424M, 292M, 259M Level C
Transmission Rate	2.970 Gbps
Resolution	480i, 576i, 720p@50/59.94/60 1080i@50/59.94/60 1080p@23.98/24/25/29.97/30/50/59.94/60
Audio Formats	LPCM 46 kHz
Cable Length	3G up to 100m HD up to 200m SD up to 300m
ESD Protection	Human body model – ±8kV (air-gap discharge) & ±4kV (contact discharge)
Input/Output Interface	
IN	1x BNC SDI/HD SDI/3G SDI
OUT	1x BNC SDI/HD SDI/3G SDI 1x HDMI
General specification	
Input Voltage	5V DC/2A
Power Consumption	10 W (max)
Operating Temperature	32 - 104° F / 0 - 40° C
Storage Temperature	-4 - 140° F / -20 - 60° C
Operating Humidity	20 - 90% RH (no condensation)
Dimensions	95mm [W] x 60mm [D] x 25mm [H]
Weight	260g

## Connection Diagram

