

1T-FC-677

3G-SDI Extender with HDMI Converter and HDMI monitoring out



Key Features 1T-FC-677

- 3G, SD and HD-SDI to HDMI Signal Conversion
- Simultaneous Display of 3G SDI & HDMI
- Operation at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- Supports SMPTE 425M(A&B), 424M, 292M, 259MC
- Equalized and Re-Clocked Looped Output
- Integrated 8-Channel 48Khz Audio De-Embedder
- LPCM 2.0 or LPCM 7.1 over the HDMI output
- Automatic Video Detection of 3GI, SD & HD-SDI
- Conversion of SMPTE 425M B to A for 1080p
- Cascade multiple units for maximum flexibility
- Allowable SDI Transmission Distances of 300m for SD, 200m for HD, 100m for 3G
- Locking DC Connector

1T-FC-677 3G-SDI Extender with HDMI Converter allows SD-SDI, HD-SDI and 3G-SDI signals to be displayed on an SDI and an HDMI monitor simultaneously. The high bitrate processing of 2.970 Gbit/s ensures fast signal transmission without signal loss and also allows great flexibility in monitor selection since extremely high quality displays can be accomplished on either a high resolution SDI monitor or high resolution HDMI display. Even greater utility is provided by the unit's SDI Extender capability. Two Equalized and Re-clocked SDI outputs are provided.

Automatic input signal type detection is provided and up to 8 channels of Audio De-Embedding is possible. SDI Audio channels are automatically detected and are output over HDMI as either LPCM 2.0 or LPCM 7.1. If there are less than 8 active channels of audio, the 1T-FC-677 will automatically select the first 2 channels and output them over the analog stereo and HDMI outputs as LPCM 2.0. If there are 8 active channels, the first 2 channels will be output over the analog stereo outputs and the HDMI output will contain a full LPCM 7.1 audio signal. The unit employs the unique TV One-task locking DC power connector to enhance overall system mechanical security.

1T-FC-766

HDMI to 3G-SDI Converter



Key Features 1T-FC-766

- Supports HDMI timing of 480i, 576i, 720p50/60, 1080p 24/25/30, 1080i 50/60, 1080p 50/60
- Operation at 2.970Gbit/s, 2.970/1.001Gbit/s, 1.485Gbit/s, 1.485/1.001Gbit/s & 270Mbits/s
- Simultaneous display of HDMI source on two SDI displays
- Integrated audio embedded up to 8 channels PCM 48kHz for HDMI or 2 channels for DVI audio
- Auto video mode detection (SD/HD/3G)
- Compliant with HDCP copy protection guidelines
- Supports signal transmission distances of up to 300M for SD, 200M for HD and 100M for 3G
- Locking +5VDC Connectors

1T-FC-766 HDMI to 3G SDI Converter allows HDMI signals to be displayed on an SDI monitor. The high Bitrate processing ensures fast signal transmission without signal loss and also allows great flexibility in monitor selection since extremely high quality displays can be accomplished on a high resolution SDI monitor. And, even greater utility is provided since the 1T-FC-766 HDMI to 3G SDI Converter allows outputs to two SDI displays simultaneously.

The 1T-FC-766 supports 480i, 576i, 720p50/60, 1080p 24/25/30, 1080i50/60, 1080p50/60 HDMI signals and operates at full range processing speeds of 2.970Gbit/s, 2.970/1.001Gbit/s, 1.485Gbit/s, 1.485/1.001Gbit/s and 270Mbits/s.

Integrated audio embeds up to 8 channels PCM 48kHz for HDMI or 2 channels for DVI audio. Also provided are auto video mode detection (SD/HD/3G), compliancy with HDCP copy protection guidelines and support of signal transmission distances of up to 300M for SD signals, 200M for HD signals and 100M for 3G signals. Lastly, a locking +5VDC connector protects from undesired disconnects of the external power supply.

Format Converters without Scaling

Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!

Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

1T-FC-677 Specifications

Video Input

3G, HD, SD-SDI 1x via BNC Connector

Video Outputs

3G, HD, SD-SDI 2x via BNC (Equalized, Re-clocked)
HDMI v1.3 1x via HDMI Connector

De-Embedded Audio

Analog Stereo R+L 2x RCA Connectors

Video Signal Proc.

Input Signal Auto Detection of Signal Type
Output signal EQ. & Re-Clocked SDI Output
SDI throughput Rates 2.970 Gb/s & 2.970/1.001 Gb/s

Audio Processing

De-Embedding Up to 8 channels, 48Khz

SMPTE Standards

SMPTE I/O Supported 425M(A&B), 424M, 292M, 259MC

Video Formats

SD and HD Formats 480i, 576i, 720p, 1080i, 1080p

SDI Cable Distance

Max SDI Distance SDI=300m, HD=200m, 3G=100m

Warranty

Limited Warranty 3 Years Parts and Labor

Environmental

Operating Temperature 0° to +40° C (+32° to +104° F)
Operating Humidity 20% to 90%, Non-condensing
Storage Temperature -10° to +60° C (+14° to +140° F)
Storage Humidity 20% to 90%, Non-condensing

Regulatory Approvals

Main Unit FCC, CE, RoHS
Power Supply UL, CUL, CE, PSE, GS, RoHS

Mechanical

Size (H-W-D) 30x200x103.5mm (1.18x7.87x4.07")
Weight (Net) 585g (1.29 lbs)

Power Requirement

External Power Supply 5VDC@2A, Locking DC

Accessories Included

1x Power Adapter US, UK or Euro
1x User Manual

Model Number

1T-FC-677 3G-SDI Extender/HDMI Converter

1T-FC-677 Specifications

Video Input

HDMI 1x via HDMI Connector

Video Outputs

3G-SDI 2x via BNC (SD, HD & 3G SDI)

Audio Inputs

Stereo R+L 2x RCA Connectors

Video Processing

Input Signal Automatic Detection of Type
Output signal Equalized SDI Output
SDI throughput Rates 2.970Gb/s and 2.970/1.001Gb/s
Frequency Bandwidth 225 MHz/Link (HDMI 1.3)

Audio Processing

Integrated Audio Up to 8-Channels, 48Khz
Embeddable Audio 2 Channels, Stereo, R&L

Video Formats

SD, HD & 3G Formats 480i, 576i, 720p, 1080i, 1080p24, 3G SDI
1080p 50/60

SDI Cable Distance

Max Distances SD-SDI=300m, HD-SDI=200m, 3G SDI=100m
(Belden 1694A)

Environmental

Operating Temperature 0° to +40° C (+32° to +104° F)
Operating Humidity 20% to 90%, Non-condensing
Storage Temperature -20° to +60° C (-4° to +140° F)
Storage Humidity 20% to 90%, Non-condensing

Warranty

Limited Warranty 3 Years Parts and Labor

Regulatory Approvals

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Power Supply UL, CUL, CE, PSE, GS, RoHS

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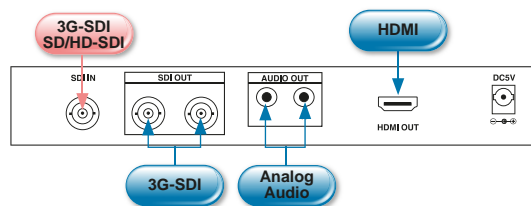
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Model Number

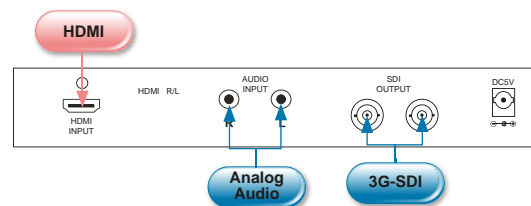
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