

# Specifications — 3G HD-SDI 101

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## Video

Gain.....	Unity
Resolution.....	8 or 10 bits, automatic
Operation standards.....	SMPTE 259M, SMPTE 292M, SMPTE 424M, ITU-R BT.601, ITU-R BT.1120, DVB-ASI
Auto data rate lock.....	Yes

## Video input

Number/signal type.....	1 single link SDI, HD-SDI, or 3G-SDI digital component video
Connectors.....	1 female BNC
Data rates.....	19 Mbps to 2.97 Gbps
Input cable equalization.....	Automatic for up to -30 dB of cable loss
HD-SDI, 3G-SDI.....	120 m (400') using Extron RG6 cable 60 m (200') using Extron RG59 cable
SDI.....	150 m (500') using Extron RG6 cable 120 m (400') using Extron RG59 cable

**NOTE** *Transmission distance varies depending on the signal resolution and on the type of cable, source, and display used in the system.*

Nominal level.....	0.8 Vp-p
Minimum/maximum levels.....	0.5 V to 1 Vp-p with no offset
Impedance.....	75 ohms
Return loss.....	<-15 dB @ 5 MHz to 2.97 GHz
DC offset (max. allowable).....	5 V
Input coupling.....	AC

## Video output

Number/signal type.....	1 single link SDI, HD-SDI, or 3G-SDI digital component video
Connectors.....	1 female BNC
Re-clocking.....	Automatic for 270 Mbps, 1.485 Gbps, 2.97 Gbps, or bypassed for other rates
Nominal level.....	0.8 Vp-p
Minimum/maximum levels.....	0.5 V to 1.0 Vp-p
Impedance.....	75 ohms
Return loss.....	<-25 dB @ 100 MHz
DC offset.....	±5 mV with input at 0 offset

## General

External power supply.....	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements.....	12 VDC, 0.2 A
Temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling.....	Convection, no vents
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf or a back of the rack mounting kit
Furniture mount.....	Yes, with optional under desk mounting kit
Enclosure type.....	Metal
Enclosure dimensions.....	1.0" H x 2.2" W x 3.0" D (<1U high, one eighth rack wide) (2.5 cm H x 5.6 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight.....	0.4 lbs (0.2 kg)
Shipping weight.....	2 lbs (1 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)

# Specifications — 3G HD-SDI 101, cont'd

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Regulatory compliance

- Safety..... CE, c-UL, UL
- EMI/EMC ..... CE, C-tick, FCC Class A, ICES, VCCI
- Warranty ..... 3 years parts and labor

**NOTE** *All nominal levels are at ±10%.*

**NOTE** *Specifications are subject to change without notice.*

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