

# Specifications

## MDA 4V HD-SDI

### Video

Gain.....	Unity
Resolution.....	8 or 10 bits, automatic
Operation standards.....	SMPTE-259M, SMPTE292M, SMPTE424M, ITU-RBT.601, ITU-RBT.1120
Equalization and reclocking.....	Automatic for up to -30 dB of cable loss
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
HD-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
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 1.5 GHz ≥10 dB @ 1.5 GHz to 3.0 GHz
DC offset (max. allowable).....	5 V
Input coupling.....	AC

### Video output

Number/signal type.....	4 single link SDI, HD-SDI, or 3G-SDI digital component video
Connectors.....	4 BNC female
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, 0.4 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.....	With optional 1U rack shelf or with back of the rack mounting kit
Furniture mount.....	Yes, with optional under desk mounting kit
Enclosure type.....	Metal

Enclosure dimensions .....	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) (4.3 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight.....	0.5 lbs (0.2 kg)
Shipping weight.....	2 lbs (1 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
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  $\pm 10\%$ .

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

8 0-092910-D61 " " " " #