

Specifications — MDA 4V SDI

Video

Gain.....	Unity
Resolution.....	8 or 10 bits, automatic
Operation standards.....	143 Mb/s (4f _{sc} NTSC) 177 Mb/s (4f _{sc} PAL) 270 Mb/s (4:2:2 component video) 360 Mb/s (4:2:2 widescreen component video), autoselected
Equalization and reclocking.....	Automatic for up to 30 dB of cable loss

Video input

Number/signal type.....	1 SMPTE-259M serial digital component video
Connectors.....	1 female BNC
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 to 270 MHz
DC offset (max. allowable).....	5 V (AC coupled)

Video output

Number/signal type.....	4 re-clocked SMPTE-259M serial digital component video
Connectors.....	4 female BNC
Nominal level.....	0.8 Vp-p
Minimum/maximum levels.....	0.5 V to 1.0 Vp-p
Impedance.....	75 ohms
Return loss.....	<-25 dB @ 5 MHz
DC offset.....	±5 mV maximum with input at 0 offset

Sync

Standards.....	4f _{sc} NTSC, 4f _{sc} PAL, SMPTE-259M
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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 (max.)
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
Enclosure type.....	Metal
Enclosure dimensions.....	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) (4.2 cm H x 11.0 cm W x 7.6 cm D) (Depth excludes connectors and knobs.)
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 ±10%.

NOTE Specifications are subject to change without notice.