

MatrixPRO Serial digital series

The MatrixPRO Serial Digital Series offers two models for routing of SDI and HDSDI video signals.



Product specifications

MATRIXPRO SERIAL DIGITAL SERIES

General specifications

Video Routing	
Input	<ul style="list-style-type: none">MatrixPRO-SDI: SMPTE 259M compliantMatrix-PRO HD-SDI: SMPTE 259M and 292M compliant
Output	<ul style="list-style-type: none">MatrixPRO-SDI : SMPTE 259M and 344M compliantMatrix-PRO HD-SDI: SMPTE 259M and 292M compliant
Signal Speed	<ul style="list-style-type: none">MatrixPRO-SDI: 143,177,270,360 MbpsMatrix-PRO HD-SDI: 143,177,270,360,1483.5,1485Mbps
Return Speed	<ul style="list-style-type: none">MatrixPRO-SDI: -15dB @ 270 MbpsMatrix-PRO HD-SDI: -15dB @ 270Mbps and -15dB @ 1.485Gbps
Maximum Cable Length	
	<ul style="list-style-type: none">MatrixPRO-SDI: 350m at 270Mbps with Belden 1694A cableMatrix-PRO HD-SDI: 100m @ 1.485Gbps, 350m at 270Mbps with Belden 1694A cable
Video Input	
Number/signal type	8 or 16 Unbalanced serial data
Connectors	8 or 16 BNC female
Impedance	75 ohms
Video Output	
Connectors	8 or 16 BNC female
Amplitude	800mV +\ -10%
Output jitter	0.2 U.I (MAX)
Switching Type	Vertical Interval Switching (Input Channel 1 is Reference)
Enclosure	
Dimensions	3.5"H X 17.0" W x 15"D (2U high, full rack width); 8.89 cm H x 43.2 cm W x 38.1 cm D
Weight	17 lbs (7.6 kg)
Shipping Weight from Factory	22 lbs (10kg)
Rack mount	included
Type	Metal
General	
Operating temperature	0-40 degrees C
Environmental humidity	0-95%, non-condensing
Power Type	100-240 VAC, 47-63 Hz, auto-configuring
Power Connector	IEC connector with integrated fuse and switch
Power Dissipation	32 watts
Agency	FCC: Part 15, Subpart B – Class A, EN55022:1998 Class A and EN550024:1998 CE: safety EN 60950:1992
Control/Remote	
Serial control port	RS-232/ RS-485, 25-pin female D connector
Baud rate and Protocol	57600, 8-bit, 1 stop bit, no parity selectable
Ethernet	1 RJ-45 female connector, running 10/100 Base-T, half/full duplex with autotdetect
Ethernet protocol	ARP, ICMP (ping), TCP/IP, Telnet, HTTP

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