

MatrixPRO analog series

MatrixPRO is used for routing analog RGBHV video signals.



Product specifications**MATRIXPRO ANALOG SERIES**

General specifications	
Video Routing	Gain: Unity Bandwidth: 350 MHz (-3dB), fully loaded (One input driving all outputs) Crosstalk: -80dB @ 1 MHz, -65dB @ 10 MHz, -55dB @ 30MHz, -42dB @ 100 MHz Switching Speed: 100 us to 4 seconds (Programmable)
Video Input	Number/signal type: 12, 16, or 32 RGBHV, RGBS, RGsB, RsGsBs, HDTV, component video, S-video, composite video Connectors: 12, 16, 32 x 5 are female Minimum/maximum levels: Analog-0.5V to 1.85V p-p with no offset Impedance: 75 ohms Return loss: -30dB @ 5 MHz Maximum DC offset (Vin=1Vpp): +1.8V, -6V
Video Output	Number/signal type: 4, 8, 16, or 32 RGBHV, RGBS, RGsB, RsGsBs, HDTV, component video, S-video, composite video Connectors: 4, 8, 16 x 5 BNC female Minimum/maximum level: 2V p-p Impedance: 75 ohms Return loss: -30dB @ 5 MHz DC offset: ± 5 mV maximum with input at 0 offset Switching type: RGB Delay up to 4 seconds
Sync	Input type: RGBHV, RGBS, RGsB, RsGsBs Output type: RGBHV, RGBS, RGsB, RsGsBs Input level: 0.5V to 5.0V p-p, 2.5V p-p normal Output level: AGC to TTL: 4V to 5V p-p Input impedance: 75 ohms Output impedance: 75 ohms Polarity: Positive or negative (follows input)
Control/Remote	Serial control port: RS-232/ RS-485, 25-pin female D connector Baud rate and protocol: 9600, 8-bit, 1 stop bit, no parity Serial control pin configurations: 2 = TX, 3 = RX, 5 = GND Ethernet control port: 1 RJ-45 female and connector Ethernet data rate: 10/100Base-T, half/full duplex with autodetect Ethernet protocol: ARP, ICMP (ping), TCP/IP, Telnet, HTTP
Input power	Type: 100-240 VAC, 47-63 Hz, auto-configuring Connector: IEC connector with integrated fuse and switch Power Dissipation: (12x4, 12x8): 60 watts (16x16, 16x8): 100 watts Dual power supplies: Optional for 16x16 and 16x8 models
Physical	12x8 Series: 8.75" H x 17.0" W x 13" D (5U high, full rack width) 22.2 cm H x 43.2 cm W x 33.0 cm D 16x16 Series: 15.75" H x 17.0" W x 13" D (9U high, full rack width) 31.1 cm H x 43.2 cm W x 33.0 cm D
Environmental	Temperature: 0-40 degrees C Humidity: 0-95%, non-condensing
Agency	FCC: Part 15, Subpart B -Class A, EN55022:1998 Class A and EN550024:1998. CE: safety EN 60950:1992. CSA: CAN/CSA C22.2 No 950-95, UL 1950.

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