

4YDM

Distribution Matrix

I/O Range

Matrix sizes from 4x4 up to 32x32
per signal type

Signal Types

Composite Video, S-Video, Y/C
(NTSC, PAL, SECAM)
Component Video,
RGB, RGBS, RGBHV,
Mono audio, Stereo audio,
Serial Digital, RS-232, RS-422



GENERAL

AC Power:	100 - 240 VAC single phase
Maximum Power Consumption:	110 Watts per enclosure
Operational Temperature:	32° to 110° F (0° to 43° C)
Humidity:	0 to 90% non-condensing
Dimensions:	17.00 in (43.18 cm) depth 17.00 in (43.18 cm) width without mounting ears 19.00 in (48.26 cm) width with mounting ears 5.25 in (13.34 cm) height (3 r.u.)
Weight:	20 lbs (9.09 kg) per enclosure
Approvals:	CE, UL

AUDIO

Throughput:	
Frequency Response:	< ± 0.1 dB (20 Hz to 20 kHz)
Total Harmonic Distortion + Noise:	< 0.04% (20 Hz to 20 kHz, Vin = -3.3 dBu to 13 dBu)
Crosstalk:	< -95 dB (1 kHz, Vin = 13.2 dBu)
Signal to Noise Ratio (SNR):	-100 dB DC to 20 kHz
Input:	
Maximum Level:	Common Mode: 22.7 dBu Differential: 28.2 dBu
Impedance:	18 kΩ
Type:	Balanced or Unbalanced
Common Mode Rejection Ratio (CMRR):	-90 dB typical, -20 dB min. (20 Hz to 20 kHz, Vcm = ± 10 V)
Power Supply Rejection Ratio (PSRR):	-80 dB typical, -60 dB min. (20 Hz to 20 kHz, Vcm = ± 15 V)
Gain Adjustment Range (optional):	-3 dB to +10 dB
Connector type(s):	3 Position Screw Terminal
Output:	
Maximum Level:	25.95 dBu, Balanced
Impedance:	50 Ω
Type:	Balanced or Unbalanced
Gain Adjustment Range:	-3 dB to +10 dB
Connector type(s):	3 Position Screw Terminal

STANDARD VIDEO

Throughput:	
Frequency Response:	± 3 dB to 40 MHz (1:1)
Differential Gain:	0.1% or Better (f = 3.58 MHz)
Differential Phase:	0.08° or Better (f = 3.58 MHz)
Crosstalk (adjacent channel):	< -75 dB (f = 5 MHz)
Propagation Delay:	< 20 ns (Vin = ± .5 V)
Signal to Noise Ratio (SNR):	< -70dB (Vin = 0.7 V, 100% IRE)
Input:	
Maximum Level:	± 5 V
Impedance:	75 Ω or Hi-Z (22 kΩ)
Gain Adjustment Range (optional):	-3 dB to +10 dB
Connector type(s):	BNC
Output:	
Maximum Level:	± 5 V
Impedance:	75 Ω
Gain Adjustment:	-3 dB to +10 dB
Connector type(s):	BNC

ULTRA-WIDEBAND VIDEO

Throughput:	
Frequency Response:	± 3 dB to 200 MHz or Better
Crosstalk (adjacent channel):	< -60 dB (f = 5 MHz)
Propagation Delay:	< 20 ns (Vin = ± 0.5 V)
Signal to Noise Ratio (SNR):	< -70 dB (Vin = 0.7 V, 100% IRE)
Input:	
Maximum Level:	± 2 V
Impedance:	75 Ω or Hi-Z (22 kΩ)
Gain Adjustment Range (optional):	-3 dB to +10 dB
Connector type(s):	BNC
Output:	
Maximum Level:	± 2 V
Impedance:	75 Ω
Gain Adjustment:	-3 dB to +10 dB
Connector type(s):	BNC

FEATURES

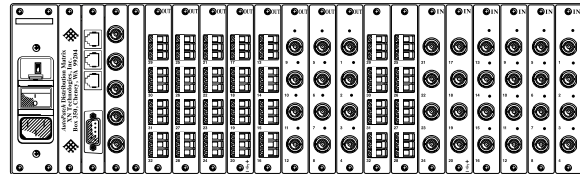
- Matrix sizes from 4x4 up to 32x32 per signal type
- 200 MHz Ultra-Wideband performance
- Multiple I/O board combinations
- Field expandable in increments of four inputs or outputs
- Switch any input to any or all outputs in any combination
- 32 programmable memory "presets"
- Meet all requirements of an installation with one routing system



We stand behind every unit we sell with our exclusive AutoPatch Lifetime Warranty.



Our trained technical staff is available 24 hours a day, every day of the year, to answer installation and technical questions.



AUTOPATCH™
High Performance Signal Routing

2416 Cheney-Spokane Rd.
P.O. Box 350 Cheney, WA 99004-0350
phone: 800.622.0246 US & Canada
fax: 509.235.2646
web: www.autopatch.com

The Old Crown Forge Business Centre
5 Station Road
Haxby
York, England YO32 3LR
United Kingdom
Voice: +44 (0) 1904 759090
Fax: 44 1904 759091