

1YDM/1Y-16

Distribution Matrix

I/O RANGE

4x4, 4x8
8x4, 8x8, 8x16
12x4
16x8, 16x16

SIGNAL TYPES

Composite, S-video, Y/c
HDTV, Y/Pb/Pr, YUV
RGB, RGsB, RGBS, RGBHV
SD-SDI
Mono audio, Stereo audio
S/PDIF, AES 75Ω

For a list of pre-configured systems and more information on custom solutions please visit www.autopatch.com/1y



The 1Y Series is a customizable system allowing for as many as four signal types, up to 16x16 per signal type in the same system. Applications include boardrooms, video arraignment systems, security applications, education and residential.

ULTRA-FLAT RESPONSE

The video frequency response in the 1Y series is a tight +/- 3 dB, unlike other manufacturers who specify only -3 dB to allow for the use of excessive peaking, damaging the signal, to record a wider bandwidth.

CUSTOMIZABLE

The 1Y Series is available in three enclosure sizes (2 RU, 3 RU and 4 RU). Enclosures can be linked to allow for systems as small as 4x4 composite video and as large as 16x16 RGBHV + 16x16 stereo audio + 16x16 Y/Pb/Pr + 16x16 mono.

PROFESSIONAL FEATURES

All models are equipped with SYNC input for vertical interval switching, breakaway to route audio, audio follow video or video, and RS-232/422 control port.

MULTIPLE CONTROL OPTIONS

Choose from local X/Y control panel or blank front panel. All models come with standard RS-232/422 control port, support AutoPatch's simple BCS serial control protocol, and ship with free APControl software. AutoPatch also provides remote control options.



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Distribution Matrix Specifications

Specifications

GENERAL

AC Power:	100-240 VAC
Maximum Power Consumption:	30 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 19.0 in (48.26 cm) width with mounting ears
Height:	3.50 in (8.89 cm) 2 RU 5.25 in (13.33 cm) 3 RU 7.00 in (17.78 cm) 4 RU
Weight:	17 lbs (7.73 kg) per enclosure
Approvals:	CE, ETL, FCC

STANDARD AUDIO

Input Level (max):	+26 dBu, balanced
Input Impedance:	18 k Ω
Input Gain Adjustment Range:	-3 dB to +10 dB
Output Level:	+26 dBu, balanced
Output Impedance:	50 Ω
Output Type (max):	Balanced or Unbalanced
Output Gain Adj. Range:	-3 dB to + 10 dB
Connectors:	Phoenix Type

STANDARD VIDEO

Input Level (max):	+/- 5 V
Input Impedance:	75 Ω or Hi-Z (22 k Ω)
Output Level (max):	+/- 5 V
Output Impedance:	75 Ω
Output Gain Adj. Range:	- 3 dB to + 7 dB
Frequency Response (1YDM):	35 MHz or better (+/- 3 dB)
Frequency Response (1Y-16):	50 MHz or better (+/- 3dB) 25 MHz or better (+/- 1dB)
Differential Gain:	<0.1% or better (f= 3.58 MHz)
Differential Phase:	<0.1° or better (f= 3.58 MHz)
Crosstalk(1YDM):	< -60 dB (f= 5 MHz)
Crosstalk(1Y16):	< -40 dB (f= 5 MHz)
Signal to Noise Ratio:	>70 dB (Vin = 0.7 V, 100% IRE)
Connectors:	BNC

WIDEBAND & ULTRA-WIDEBAND VIDEO

Input Level (max):	+/- 2 V
Input Impedance:	75 Ω or Hi-Z (22 k Ω)
Output Level (max):	+/- 2 V
Output Impedance:	75 Ω
Output Gain Adjustment Range:	- 3 dB to + 6 dB
Frequency Response:	200 MHz or better (+/- 3 dB) wideband 400 MHz or better (+/- 3 dB) ultra-wideband
Crosstalk:	< -60 dB (f= 5 MHz)
Signal to Noise Ratio:	>70 dB (Vin = 0.7 V, 100% IRE)
Connectors:	BNC

FEATURES

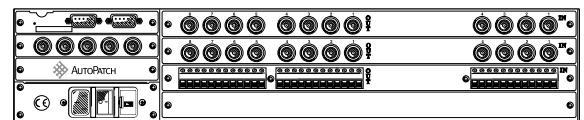
- Lifetime Warranty
- AutoAssist 24-hour technical support
- Ultra-Flat Response
- Choice of front panel control or blank front panel
- Remote control options available
- RS-232/422 control port
- Breakaway
- Programmable macro functions
- Optional volume control
- Optional SYNC input for vertical interval switching
- Optional redundant power supply
- Simple AutoPatch BCS Serial Control Protocol
- Linkable enclosures (within the 1Y line)
- Rack mounting ears included
- Audio connections support balanced or unbalanced



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.



4x8 Y/c + mono audio (2 RU)
1 of many available configurations



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