

8Y-3000



I/O RANGE

Up to 64x64 per signal type
Modular in increments of
eight inputs and outputs

SIGNAL TYPES

Composite
S-Video, Y/C
HDTV
Component Video
RGsB
RGBHV
Mono Audio
Stereo Audio
Surround Audio
Serial Digital Audio (AES-ID)



FEATURES

- Fully flexible and scale-able I/O range. Modular I/O in increments of eight inputs and outputs up to a full 64 x 64 per signal type. Completely customizable to meet all the routing requirements of an entire installation. Field expandable and reconfigurable.
- High bandwidth-linearity and low crosstalk for best quality signal transfer from source to destination.
- Ultra-Flat Response Certified™
- Powerful 32-bit processor with AutoPatch Virtual Matrix I/O mapping for simple full-range or segmented "room" or zone control.
- XNNet™ Communications Port for seamless integration with other AutoPatch XNNet switchers and control interfaces.
- Programmable macro functions for quick recall of frequently used crosspoint states & scenarios.
- RS-232/RS-422 Control Port with AutoPatch's simple BCS™ serial control protocol.
- Lifetime Warranty*

COMPATIBILITY

All AutoPatch XNNet Products

APPLICATIONS

Sports Bars, Board Rooms, Home Theatre Systems, Distance Learning, Broadcast Environments, Security Systems, Video Arraignment Systems, Worship Centers, Government/Military Command & Control, Sports/Concert Arenas

*Limited Lifetime Warranty for the life of the original installation. Call for details.


AUTOASSIST
24hrs / 800.622.0246
International 509.235.2636

We offer free design and configuration assistance. Call AutoAssist or visit our on-line configuration form at www.autopatch.com/quote



AUTOPATCH

PRODUCT OVERVIEW

The AutoPatch 8Y-3000 Series is the perfect solution for mid to large size matrix requirements, or for I/O requirements needing room for large future expansion. Combined with a wide range of input and output cards, the modular architecture of the 8Y-3000 allows the system designer to customize each system to precisely meet signal routing needs on a per installation basis without sacrificing signal quality. The 8Y-3000's Ultra-Wide Bandwidth capability provides unmatched signal performance for a matrix switcher of its size with over 400 MHz of bandwidth (+/- 3dB) and extremely linear response.

The 8Y-3000's Virtual Matrix configuration allows different combinations of I/O boards to be utilized in literally thousands of configurations which can be easily expanded or reconfigured in the field. For example, an 8Y-3000 system can be configured to switch 64x64 RGBHV with Stereo Audio, plus 4x40 Y/C, plus 24x8 Composite Video, and 32x32 Digital Audio all in one system, controllable from a single or multiple control devices. The 8Y-3000's true modularity combines complete flexibility with simple maintenance and ease of control.

FRAMES

AutoPatch 8Y-3000 Series frames include a powerful 32-bit processor with Ethernet, RS-232/422 control port, and non-volatile crosspoint memory storage. Virtual Matrix I/O mapping combined with XNNet inter-frame communications give the system designer complete and almost limitless control over system I/O configurability and controllability. Assign I/O ranges as specific groups and virtually combine connectors or signal types together, spanning one or many 8Y-3000 enclosures for easy I/O zone definition and simplified control.

I/O CARD OPTIONS

The 8Y-3000 Series features a selection of I/O cards optimized for many types of video and audio signals including high-resolution computer video and component HDTV. 8Y-3000 Ultra-Wideband capability handles computer resolutions up to 2048x1536 and higher.

CONTROL PANELS

8Y-3000 Series systems can be ordered with or without a locally mounted full X/Y control panel. Remote mountable panels and Single Bus Controller interfaces are also available.

MISC. OPTIONS

Vertical Interval Switching – Synchronize switching to local black-burst or TTL reference for smooth, glitchless switch transitions.

Redundant Power Supplies – Per enclosure DC power redundancy to eliminate down time in case of power supply failure.

SPECIFICATIONS

AC Power: 100-240 VAC (47-63 Hz) 170 Watts (max.) per enc.
 Weight: Appx. 17 lbs (7.7 kg) per enclosure
 Approvals: CE, UL

Standard Video

Input Level: +/- 5.0 Volts
 Input Impedance: 75 Ohms
 Output Level: +/- 5.0 Volts
 Output Impedance: 75 Ohms
 Frequency Response: 30 MHz or better (+/- 3 dB) 12 MHz or better (+/- 1 dB) Fully loaded, any routing state
 Crosstalk: <-60 dB (f = 5 MHz)
 Signal to Noise Ratio: <-70 dB (Vin = 0.7V, 100% IRE)

Wideband Video

Input Level: +/- 2.0 Volts
 Input Impedance: 75 Ohms
 Output Level: +/- 2.0 Volts
 Output Impedance: 75 Ohms
 Frequency Response: 250 MHz or better (+/- 3 dB) Fully loaded
 Crosstalk: <-60 dB (f = 5 MHz)
 Signal to Noise Ratio: <-70 dB (Vin = 0.7V, 100% IRE)

Ultra-Wideband Video

Input Level: +/- 2.0 Volts
 Input Impedance: 75 Ohms
 Output Level: +/- 2.0 Volts
 Output Impedance: 75 Ohms
 Frequency Response: 400 MHz or better (+/- 3 dB) Fully loaded
 Crosstalk: <-60 dB (f = 5 MHz)
 Signal to Noise Ratio: <-70 dB (Vin = 0.7V, 100% IRE)

Analog Audio

Input Level(max): +28 dBu, balanced
 Input Impedance: 18 KOhms
 Output Level(max): +28 dBu, balanced
 Output Impedance: 50 Ohms
 Frequency Response: 20 Hz to 20 kHz (+/- 0.1 dB)
 THD + Noise: <0.01% (20 to 20 kHz, Vin = -3.3 to +13.2 dBu)
 Crosstalk: <-95 dB (1 kHz, Vin = +28 dBu)
 Signal to Noise Ratio: -103 dB (20 to 20 kHz, Vin = +13.2 dBu)

