



Pacific MR

The Pacific MR is a modular, multi-rate SDI matrix router with flexible control and real-time preview capability. It delivers an unified routing solution for mixed 3G, HD, and SD-SDI signals. Hot-swappable input and output cards enable straightforward I/O expansion up to 80 x 76 or 160 x 156 within a single 4RU/8RU chassis.

Control of the Pacific MR is intuitive via the in-system GUI. With drag-and-drop simplicity, it allows routing of

any video to any or multiple destinations. Additionally, user can freely monitor any source/output with custom layout from the GUI for routing preview and confirmation.

With future-proofed and fully modular design, the Pacific MR facilitates system upgrades. It offers the flexibility for IP and 12G UHD-SDI integration in the future simply by adding new cards in the chassis, dynamically meeting the growing facility demands in a cost-effective way.

FEATURES

- Automatic sensing of 3G/HD/SD-SDI source signals (SMPTE 424M/292M/344M/259M and DVB-ASI compliant)
- Modular design and hot-swappable I/O cards simplify system expansion with minimal operation interruption
- Available in 4RU/8RU rackmount chassis each houses up to 8 /16 independent input and output cards
- Cross-point routing up to 80x76 and 160x156 multi-rate SDI signals (4RU and 8RU respectively)
- In-system GUI facilitates routing configuration with drag-and-drop simplicity; no additional software required
- Real-time monitoring of any two sources or outputs in custom layout for routing preview/confirmation
- Built-in front push-button panel provides local routing control
- Multi-rate adaptive cable equalization extends usable cable distance up to 400m (SD-SDI via 1694a coax cable)
- Automatic output reclocking reduces signal jitters over long cable runs
- System upgrade for routing 6G and 12G-SDI signals by simple card replacement (future option)
- Hybrid architecture supports SDI-to-IP and IP-to-SDI conversion with IP I/O cards (future option)
- Transmits all ancillary data and embedded audio (up to 16 channels)
- Control options include Ethernet and serial RS-232 interfaces
- Supports Genlock input signal (black burst/tri-level) and passive loop-through for vertical switching
- Redundant hot-swappable power supply (12V DC)

SPECIFICATIONS

CHASSIS	4RU and 8RU chassis each houses 1 CB and up to 16 and 32 I/O cards respectively	
FRONT PANEL	Front push-button panel for local switching/routing control	
REAR PANEL		
CB Card (Control Board supports in-system GUI and local system control)	Input	1 × BNC (reference sync) 1 × USB-A (mouse/keyboard control for in-system GUI/local system) 1 × USB-B (local system mouse/keyboard connection or cascade) 1 × RJ-45 (Ethernet) 1 × RJ-50 (RS-232) 1 × HDMI (local system connection or cascade)
	Output	1 × BNC (reference sync) 1 × HDMI (display connection for in-system GUI/local system or cascade) Resolution at 1080p 50/60 Hz (HDCP compliant) 1 × HDBaseT (extends HDMI and mouse/keyboard control for in-system GUI/local system) 1080p transmission up to 100 meters over standard CAT5e/6 cable 1 × LED (link status indicates HDBaseT connection is established)
SIB-S Input Card (SDI input)	10 × BNC (3G/HD/SD-SDI video with 16-channel embedded audio) SMPTE 424M / 292M / 344M / 259M and DVB-ASI compliant 2.97Gbps / 1.485Gbps / 540Mbps / 270Mbps - automatic sensing	
CABLE EQUALIZATION	2.97Gbps: up to 200m 1.485Gbps: up to 220m 270Mbps: up to 400m - through 1694a coax cable	
SOB-S Output Card (SDI output)	10 × BNC (3G/HD/SD-SDI video with 16-channel embedded audio) SMPTE 424M / 292M / 344M / 259M and DVB-ASI compliant 2.97Gbps / 1.485Gbps / 540Mbps / 270Mbps Low jitter cable driver with signal reclocking	
SIB-IP Input Card (IP input)	5 × SFP cage (dual channels each supports up to 1080p with 16-channel embedded audio) SMPTE 2022 compliant	
SOB-IP Output Card (IP output)	5 × SFP cage (dual channels each supports up to 1080p with 16-channel embedded audio) SMPTE 2022 compliant	
POWER SUPPLY	12V DC / 11A - 4RU 12V DC / 20A - 8RU	
POWER CONSUMPTION	Max. 130 Watt - 4RU Max. 240 Watt - 8RU	
DIMENSION (LxWxH)	7.95 x 17.28 x 6.99 inch (20.19 x 43.90 x 17.76 cm) - 4RU 7.95 x 17.28 x 13.98 inch (20.19 x 43.90 x 35.52 cm) - 8RU	
TEMPERATURE	Operation	0 °C (32 °F) to 40 °C (104 °F)
	Storage	-10 °C (14 °F) to 50 °C (122 °F)
HUMIDITY	0 % to 80 % relative, non-condensing	
SAFETY REGULATION	FCC, CE, C-Tick, Class A	
ACCESSORIES	12V DC power adapter	

Specifications and data are subject to change without notice.

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