

## HDMI / SDI and KVM SWITCHER INTEGRATED WITH MULTIVIEWER



# Pacific MS-2 / MS-3

The Pacific MS is a modular, non-blocking matrix switcher that incorporates multiple system switching, monitoring, and operation functions into a 2RU/3RU enclosure. It offers high-speed video and audio routing, flexible KVM switching, and multiviewing capabilities through various I/O card combinations.

Designed for streamlined operation for user with multiple systems, Pacific MS allows creation of multi-screen workstations by grouping display outputs. The "Surfer"

feature allows user to manage a variety of systems across multiple monitors and seamlessly switch control to any of the system via one set of mouse and keyboard.

Pacific MS provides an in-system GUI for switching and routing configuration, as well as real-time monitoring of source/output for routing preview and confirmation. Additionally, user can remotely access any of the system directly on the GUI, ideal for wide range of applications in need of a centralized administration solution.

### FEATURES

#### MODULAR CARD-BASED DESIGN

- 2RU/3RU enclosure with hot-swappable I/O cards and field-serviceable fan modules
- Non-blocking 12x8 (MS-2) / 20x16 (MS-3) matrix architecture for video, embedded audio and mouse/keyboard switching
- Redundant power supply ensures mission-critical reliability (works with Avitech Power Supply Station)

#### FLEXIBLE I/O AND WORKSTATION CONFIGURATION

- Wide selection of I/O cards for multi-format signal routing, quad/dual multiview monitoring and KVM switching
- Auto-senses HDMI/DVI and SDI (3G/HD/SD) / CVBS (NTSC/PAL) source signals\*
- HDMI I/O cards are HDCP compliant with support of videos with 8-channel embedded audio
- Adaptive video equalization extends cabling distance up to 40m for 1080p/60 HDMI source signal with Deep Color
- Output cards provide mouse/keyboard connectivity for direct system control (up to 4 systems from a quad multiviewer card)
- Output grouping and "Surfer" empower streamlined workstation operation (control up to 16 systems across 4 screens via one set of mouse and keyboard)

\*HDMI 1.4 and SMPTE 424M/292M/344M/259M compliant

#### INTUITIVE CONTROL AND SYSTEM ADMINISTRATION

- In-system GUI facilitates switching and configuring grouped workstation via local monitor, USB mouse and keyboard\*; no additional software required
- Real-time monitoring of any 2 images drag-and-drop to customizable preview/confirmation windows; enables remote control of source systems directly on the GUI
- Control Board (CB) provides local system connection allowing switch of operation between the GUI and local system
- Supports 100m HDBaseT extension for GUI/local system control at the remote administration station
- Front push-button panel provides an alternate switching/routing control

\*All Pacific MS' USB interfaces are USB 2.0 compliant

## SPECIFICATIONS

|   |  |   |
|---|--|---|
| CHASSIS   | 2RU and 3RU chassis each houses 1 CB card and up to 5 and 9 I/O cards respectively |   |
| FRONT PANEL   | Front push-button panel for local switching/routing control                        |   |
| REAR PANEL  |  |   |
| <b>CB Card</b><br>(Control Board supports in-system GUI and local system control) | Input  | 1 × BNC (reference sync)<br>2 × USB-A (mouse/keyboard control for in-system GUI/local system)<br>1 × USB-B (local system mouse/keyboard connection)<br>1 × RJ-45 (Ethernet)<br>1 × RJ-45 (RS-232)<br>1 × RJ-45 (RS-485)<br>1 × HDMI (local system connection/video source)  |
|   | Output   | 1 × HDMI (display connection for in-system GUI/local system)<br>Resolution at 1080p 50/60 Hz (HDCP compliant)<br>1 × HDBaseT (extends HDMI and mouse/keyboard control for in-system GUI/local system)<br>1080p transmission up to 100 meters over standard CAT5e/6 cable<br>1 × LED (link status indicates HDBaseT connection is established) |
| <b>SIB-H Card</b><br>(HDMI input)   | Input  | 4 × HDMI (video with 8-channel embedded audio)<br>Resolution up to 1920 × 1200<br>Signal equalization supports cable runs up to 40 meters at 1080p (24AWG)  |
|   | Output   | 4 × Stereo phono jack (stereo/headphone connection for microphone line-out)   |
| <b>SIB-BNC Card</b><br>(SDI/CVBS input)   | Input  | 4 × 3G/HD/SD-SDI (video with 16-channel embedded audio) / CVBS (NTSC/PAL)<br>Resolution up to 1080p   |
| <b>SIB-T Card</b><br>(HDMI/HDBaseT input)   | Input  | 2 × HDMI (video with 8-channel embedded audio)<br>Resolution up to 1920 × 1200<br>Signal equalization supports cable runs up to 40 meters at 1080p (24AWG)<br>2 × HDBaseT (video, audio, and mouse/keyboard control)<br>Signal transmission distance up to 100 meters over standard CAT5e/6 cable   |
| <b>KM Card</b><br>(Mouse/Keyboard connection)                                     | 8 × USB-B (mouse/keyboard connection to source systems)                            |   |
| <b>SOB-H Card</b><br>(HDMI output)  | Input  | 4 × Stereo phono jack (stereo audio from microphone input)  |
|   | Output   | 4 × HDMI (video with 8-channel embedded audio)<br>Resolution up to 1920 × 1200 (WUXGA) at 50/60 Hz or 1600 × 1200 (UXGA) at 75Hz  |
| <b>SOB-HPW Card</b><br>(HDMI output with seamless switch)                         | Input  | 4 × USB-A (mouse/keyboard control)  |
|   | Output   | 2 × HDMI (video with 8-channel embedded audio)<br>Seamless switching between 2 systems in full-screen; or dual-view display for 2 systems<br>Resolution up to 1920 × 1200 (WUXGA) at 50/60 Hz or 1600 × 1200 (UXGA) at 75Hz   |
| <b>SOB-QPW Card</b><br>(Quad multiview output)                                    | Input  | 2 × USB-A (mouse/keyboard control)  |
|   | Output   | 1 × HDMI (video with 8-channel embedded audio)<br>Quad-view display for 4 systems<br>Resolution up to 1920 × 1200 (WUXGA) at 50/60 Hz or 1600 × 1200 (UXGA) at 75Hz<br>1 × Stereo phono jack (stereo/headphone connection)  |
| <b>SOB-T Card</b><br>(HDBaseT output)   | Output   | 4 × HDBaseT (extends video, audio, and mouse/keyboard control)<br>Signal transmission distance up to 100 meters over standard CAT5e/6 cable<br>- Mouse/Keyboard control for port 1 & 3 only   |
| POWER SUPPLY  | 12V DC / 10A (MS-2) ; 12V DC / 20A (MS-3)  |   |
| POWER CONSUMPTION   | Max. 110 Watt (MS-2) ; 220 Watt (MS-3)   |   |
| DIMENSION (LxWxH)   | 9.70 × 17.30 × 3.50 inch (24.66 × 43.90 × 8.88 cm) (MS-2)                          |   |
|   | 9.52 × 17.30 × 5.24 inch (24.17 × 43.90 × 13.32 cm) (MS-3)                         |   |
| WEIGHT  | Max. 11.34 lbs (5.13 Kg) (MS-2) ; 15.98 lbs (7.25 Kg) (MS-3)                       |   |
| TEMPERATURE   | Operation  | 0 °C (32 °F) to 40 °C (104 °F)  |
|   | Storage  | -10 °C (14 °F) to 50 °C (122 °F)  |
| SAFETY REGULATION   | FCC, CE, C-Tick, Class A   |   |



Feature Highlights

Specifications and data are subject to change without notice.

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