SDE-4800

48x48 3G/HD/SD-SDI Router / Multiviewer

2024 Datasheet

The SDE-4800 is a modular unified routing and multi-viewer platform that supports up to 48 3G/HD/SD-SDI inputs with six selectable output modules. The platform benefits from three different output module types that can provide routing, clean switching, and picture-in-picture generation.

The *"SDI-OUT"* output module provides eight re-clocked outputs fed from the internal crosspoint. Users can select the source of each output from any input via Samim control panels, creating an SDI / ASI format-agnostic router ranging from 8x8 up to 48x48.

The *"CLN-OUT"* output module generates four clean & quiet switched outputs from any selected input. Fulfilling the need for clean outputs even with asynchronous inputs.

The *"MIP-OUT"* output module is a compelling solution for monitoring eight inputs in a user-crafted layout, including audio level meters, UMD, tally, and fault indicators. Multi-viewer modules can cascade internally to build a layout containing up to 48 PIPs.

Key Features

- 3RU frame with 1RU optional external fan
- Modular design
- Redundant power supplies
- Router:
    - Support 3G/HD/SD-SDI and DVB-ASI signals
    - Compatible with Samim router control panels
    - Re-clocked outputs
    - Switch point related to the reference input
    - Clean & quiet switch module
- Multiviewer:
    - Layout design by the Windows-based software
    - HDMI and SDI output per head
    - x8 PIPs per head, internally cascadable
    - x40 Tally input, x8 Programmable GPO
    - NTP or LTC as clock source
    - Video fault detection & logging (black, freeze, CRC, unlock, EDH)
    - Embedded Audio fault detection & logging (absence, silence, overload)

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Rear View

System Requirements

Type	Product	Description
Control Panel	CPE-1032	Router Control Panel with OLED Display and 32 Buttons
	CPE-2054	Router Control Panel with Display and 54 Buttons

Ordering Information

Product	Description	Type
SDE-4800	3RU Router/Multiviewer Frame Supporting Up to 48x 3G-SDI / ASI Input with Base Modules, and Back panel	Base
PSM-6522	AC/DC 225W Power Supply for 3RU SRM frame	Base / Optional
EFU-6518	External Fan Unit (1RU) for 3RU SRM frame	Factory Option
SDE-4800-SDI-IN-8CH	8-Channel Input Module for SDE	Input Module
SDE-4800-SDI-OUT-8CH	8-Channel SDI Output Module for SDE/PVS	Output Module
SDE-4800-CLN-OUT-4CH	4-Channel Clean Switch Output Module for SDE	Output Module
SDE-4800-MIP-OUT	Multiviewer Output Module (8 PIPs, 1x Output) for SDE/PVS	Output Module

Note: You can order up to 6 input modules and 6 output modules per base unit. If you plan to use *MIP-OUT* or *CLN-OUT* modules, the EFU-6518 is mandatory.

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