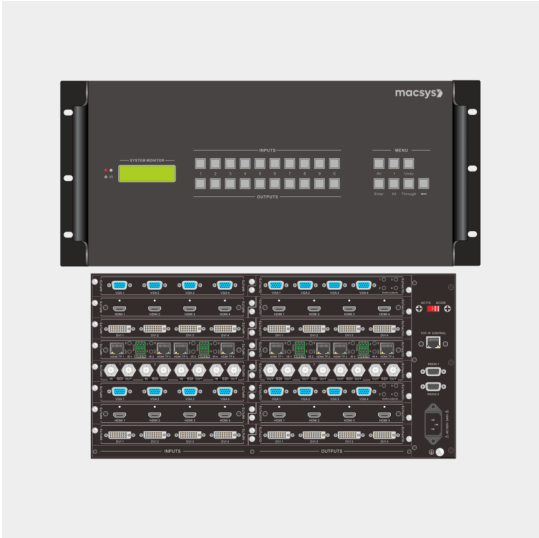
Datasheet

ECON-32MS | UHD Hybrid Modular Matrix Switcher 32x32



Key features

- UHD 4K30 seamless matrix switching for professional AV applications.
- Customizable modular I/O cards: HDMI/DVI/VGA/SDI/HDBaseT/CVBS/Fiber.
- Flexible local and network control: panel keys, RS-232, IR, TCP/IP.
- Scene presets and EDID learning for easy room reconfiguration and display compatibility.
- Real-time system status via LCD and indicators for mission-critical environments.

Product Overview

The ECON series delivers high-resolution UHD 4K switching with customizable HDMI, DVI, VGA, SDI, HDBaseT, CVBS, and fiber inputs/outputs. Seamless switching, EDID learning, scene presets, and flexible local/network control make it perfect for professional AV installations, control rooms, and large conference environments.

Technical Specification

Feature	Details
Matrix capacity	32×32 switching, AV crosspoints
Input card slot	8 slots
Output card slot	8 slots
RS-232 ports	2×DB9
TCP/IP control (RJ45)	Present
Voltage selector	110/230 V selector
AC power inlet	100–240 VAC, Power changeover switch for selecting 110V or 240V input.
Earth/ground terminal	Yes
Front keypad (channels)	0–9 keys (multi-digit for >9)
IR receiver	Built-in IR
LCD status display	Green backlight LCD
Supported resolution	UHD 4K (3840×2160p) @ 30Hz
Card types (I/O)	HDMI, DVI, VGA, 3G-SDI, HDBaseT, CVBS, Fiber (modular, mix-and-match)
Seamless switching/splicing	Seamless switching with power-off memory and A/V sync
EDID learning	Learning for display compatibility
OSD Functions	Subtitle overlay support
Subtitle overlay	Supported
Scene Presets Group	Supports saving and recalling 10 scene groups
Control methods	Front-panel keys, 2xRS-232, IR, TCP/IP
Certifications	CE, RoHS compliance

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