

IMX-12800S

128x128 MODULAR MATRIX ROUTER



Front View



Rear View

Product Summary

The IMX-12800S is a high-performance integrated matrix router that efficiently consolidates and manages a wide range of digital video and audio signals — including DVI, HDMI, SDI, Fiber Optics, and audio — within a single system.

Designed to freely switch and distribute multiple types of input signals to the desired output devices, it provides an optimal solution for operating complex AV systems in a more stable and organized manner. By simultaneously supporting a wide range of video interfaces and audio signals, it allows equipment of different standards to be integrated into a single unified system, minimizing the need for separate signal processing devices and improving both system efficiency and ease of maintenance. It also applies high-performance signal processing technology to minimize degradation of video and audio quality, delivering stable signal transmission and outstanding reliability even during extended, continuous operation.

Key Features

- Integrated, expandable Modular Matrix scalable from 4x4 up to 128x128
- HDCP compliant (HDMI, DVI)
- Slot-based matrix structure enabling flexible system design
- RS-232C, LAN (TCP/IP, UDP)
- Video wall zoom in/out function
- Text display support (OSD function)
- Audio embedding and de-embedding
- Test pattern support
- FREEZE support
- Hot-swap support [replace slot boards without powering off the system during use]
- Seamless switching with no flicker during screen transitions
- KC certified

Specifications

Item	Specification
Model	IMX-12800S
Maximum Input	128
Maximum Output	128
Maximum Input Slot	32
Maximum Output Slot	32
Resolution	3840x2160 (4K) or Higher
Control	LCD Touch Screen
	RS-232C
	LAN(TCP/IP, UDP)
Power	AC 100~240V / 50~60Hz 750W x 4EA [Redundant Power Supply(2+2)]
Dimensions (W×D×H)	482 x 450 x 1111 (mm)
Weight	61 Kg
Operating Temperature	-10°C ~ 50°C
Operating Humidity	10% ~ 90% RH (Non-Condensing)

※ Notes

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* Specifications and design are subject to change without prior notice.