



GT-matrix-8K
34×34 8K Versatile Modular Switcher

The GT-Matrix-8K is a high-performance 34×34 modular matrix designed for the switching and distribution of multi-format audio-visual signals. It features a CTRL central control card with secure LAN connectivity for remote management and includes seventeen card slots for flexible insertion of modular matrix cards, supporting both input and output signals with quad or dual ports, ensuring versatile and efficient operation for future-ready 8K environments.

Feature:-

- **High-Performance 8K Matrix Switching:** The GT-Matrix-8K is a robust 34×34 modular matrix designed for seamless switching of multi-format AV signals, with support for future upgrades to 8K capabilities.
- **Multi-Format Compatibility:** Equipped with modular matrix cards that handle high-resolution 4K60 4:4:4 signals, ensuring flexible input and output options for diverse AV setups.
- **Advanced Signal Management:** Features intelligent EDID processing for plug-and-play operation, alongside robust signal distribution technologies to maintain signal integrity over long distances.
- **Comprehensive Control Options:** Offers remote and local control via a user-friendly web interface, RS-232 service port, and front-panel controls for straightforward operation.
- **Efficient Maintenance:** Front-panel indicators and an LCD display simplify troubleshooting, with local firmware upgrades available via USB for easy updates.
- **Compact Design:** A 4U 19" enclosure suitable for rack mounting, with PoE support for convenient powering of remote devices, enhancing installation flexibility.
- **Flexible I/O Configuration:** The modular design allows for a customizable mix of input and output cards to meet specific deployment requirements.
- **Multi-Format Distribution:** Supports a variety of audio-visual signals, including HDMI, VGA, and SDI, ensuring compatibility with standard infrastructure.
- **Independent Switching:** Non-blocking switching capabilities enable any input to connect to multiple outputs seamlessly, providing versatility in signal routing.

Category	Specification
Ports Control Card	
1Gbp Ethernet	On an RJ-45 female connector for matrix LAN connection
100Mbps Ethernet	On an RJ-45 female connector for matrix service
RS-232	On a 3-pin terminal block for local service
RS-232 Baud Rate	9600/19200/38400/57600/115200 (default)
RS-232 Character Frame	8 bit/ No parity / 1 Stop bit / ASCII
Chassis	
USB	Mini-USB connector for firmware upgrade

Backplane Data Rate	
Per Port	
AV	50Gbps
Ethernet	1Gbps
Card Slots	
Central Control	1
I/O	17
Modules	
Power	2
Fan	1
Power Consumption	100-240V AC, 50/60Hz, 2.2A (Max)

