

## OPTO MATRYX

30 CONTENT SOURCES –  
100 REMOTE DISPLAYS –  
6 SIGNAL TYPES –  
NO PROBLEM



### THE POWER YOU NEED INFINEA™ OPTO MATRYX™

The Infinea Opto Matryx is a highly integrated switching and extension platform that boasts simultaneous support for an unprecedented number of signal types, including uncompressed hi-definition DVI, HDMI, audio, bi-directional serial and USB. The breadth of signal types supported eliminates the need for multiple independent switches and cabling, while enabling a variety of high performance signal routing applications, including large scale interactive digital signage networks and digital KVM switching and extension. In addition to routing high-definition digital video and audio signals from any digital source to any destination display, the Opto Matryx integrates an advanced duplex data signal environment with support for both RS-232 and USB. The built in bidirectional RS-232 support for each output allows independent control over and data collection from each display – a must for management of large scale display networks. The unique USB switching and extension capability on every input and output enables a new wave of interactive digital signage applications by supporting Human Input Devices (HIDs) such as keyboards, mice and touch screen applications.

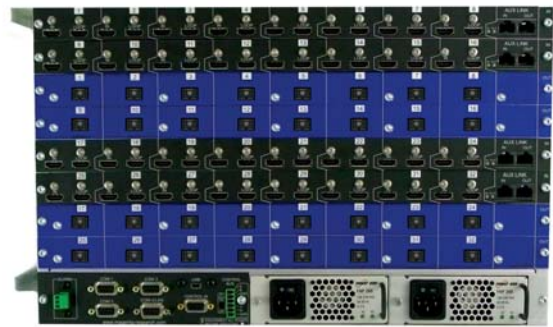
### MODULAR MATRIX SWITCHER FOR UNCOMPRESSED DIGITAL VIDEO, AUDIO, SERIAL AND USB SIGNALS

The Infinea Opto Matryx is designed using a modular building block architecture that allows the system to be custom configured or field upgraded from 8x8 to 96x80 in increments of 8 inputs or outputs. Asymmetrical configurations such as 128x8 and 32x160 are also supported. The Opto Matryx combines the utmost in flexibility with affordability by minimizing current capital costs for AV installations while ensuring adaptability to future growth capability.

## Infinea Opto Matryx Front View



## Infinea Opto Matryx Rear View



32x32 shown with fiber outputs

### Key Features

- DVI, HDMI Support (embedded HDMI audio supported)
- HDX Option: Adds Audio, Bi-directional Serial and USB
- Combines Matrix Switching and UTP/ Fiber Optic Extension
- Configurable and Field Upgradable from 8x8 to 96x80, 32x128 or 112x8
- 1920x1200, 1080P/60 Resolution Support (no reduced blanking requirement)
- Up to 5 COMM ports for Switch and Display Control (6th port via USB)
- Output Extension range of 2000ft/600m at Max. Resolution (with fiber option)
- Redundant Hot-Swappable Power Supply
- Optional Infinea TC for touch screen control

### Typical Installation Types

- Casinos
- Command & Control
- Mission Critical Secure Government/Military Facilities
- Museums
- Large Retail Environments
- Stadiums and Arenas
- High-end Security, Education & Residential
- Commercial & Recreational Shipping & Yachting

### Input Options

- HDMI/DVI (HD Version)
- HDMI/DVI with Audio, Serial and USB (HDX Version)

### Output Options

- HDMI/DVI
- HDMI/DVI with Audio, Serial and USB
- Fiber (use with Infinea M-Series for 2,000 feet/609meter extension)
- UTP (use with Infinea HD-One RX for up to 200 feet/90m extension)

### Application Types

- HDMI/DVI Switching and Extension
- Digital KVM Switching and Extension
- Digital Signage and Public Information Display Networks
- Interactive Display Networks

### Specifications

<b>Configuration/Frame:</b>	8x8 - 32x32 (8 input/output increments)
<b>Video Bandwidth:</b>	9Gbps
<b>Video Signal Type:</b>	HDMI 1.3, DVI-D (single link)
<b>Inputs/6U Frame:</b>	8/16/24/32 HDMI Female
<b>Outputs/6U Frame:</b>	8/16/24/32 HDMI Female or SC Fiber (Fiber Option)
<b>Inputs (HDX Option):</b>	8/16/24/32 USB Type B and 6-pin mini-DIN (serial & audio)
<b>Outputs (HDX Option):</b>	8/16/24/32 USB Type A and 6-pin mini-DIN (serial & audio)
<b>Audio Signals:</b>	Embedded with HDMI, Optional Analog
<b>Control:</b>	RS-232, USB
<b>Aux Serial Ports:</b>	4 x DB9 (Optional)
<b>Network Interface:</b>	RJ-45 Female (Optional)

### Mechanical / Other

<b>Rackmount:</b>	Standard 6U, 19" EIA
<b>Enclosure:</b>	Front Panel: Powder Coat Chassis: Passivated Aluminum
<b>Dimensions:</b>	10.5"H x 19"W x 11.5"D 267H x 483W x 292D mm
<b>Weight:</b>	Fully Populated 24lbs. (10.88kg)
<b>Power Input:</b>	(Dual) Universal AC (100-240VAC, 50/60Hz)
<b>Temperature:</b>	Operating 32° - 104° F (0° - 40°C)
<b>Storage:</b>	-40° - 158°F (-40° - 70°C)
<b>Humidity:</b>	10-90% Non-Condensing
<b>Vibration:</b>	ISTA/NSTA IA in Carton
<b>Compliance:</b>	CE, UL/CSA-60950, RoHS

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Vertrieb / Distributor:

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