



# MEDIA LINKS®

## Pixel Perfect Delivery

### 3.2 Terabit High-Capacity Non-Blocking Video / Audio / Data Switch

#### FUNCTIONS

- 1:1 Fully Redundant Switch Fabric
- Configurable Bandwidth for Every Signal Type
- Advanced Processor for Rapid Reconfiguration and Control
- Each 10Gbit Port Supports Multiple Simultaneous Signals

#### FEATURES

- 160 Port, 10 Gigabit/second Ethernet Switch
- 800 Simultaneous Uncompressed HD Signals
- Full Multicast Support for Any and All Input Signals
- Non-Blocking with any Combination of Inputs and Outputs

#### APPLICATIONS

- High Capacity Switch for All Studio Signals – Video / Audio / Voice / Data
- Direct Connection between local and remote facilities
- High Bandwidth Data Interconnect between Servers, Storage, and Workstations
- Seamless Connectivity for File Transfer and Internet Streaming

## MD-MAX™

# Studio Infrastructure Switch

**The MD-MAX™ offers enormous switching capacity** for any type of studio infrastructure. By allowing all types of signals to share a single common infrastructure, the MD-MAX™ can provide a stable, unified platform for all the many types of signals used in a modern studio – video, audio, voice, real-time data and file transfer. The use of common 10Gbit Ethernet interfaces provides easy adaptation for all of today's major media signal, and provides a smooth migration path to future types.

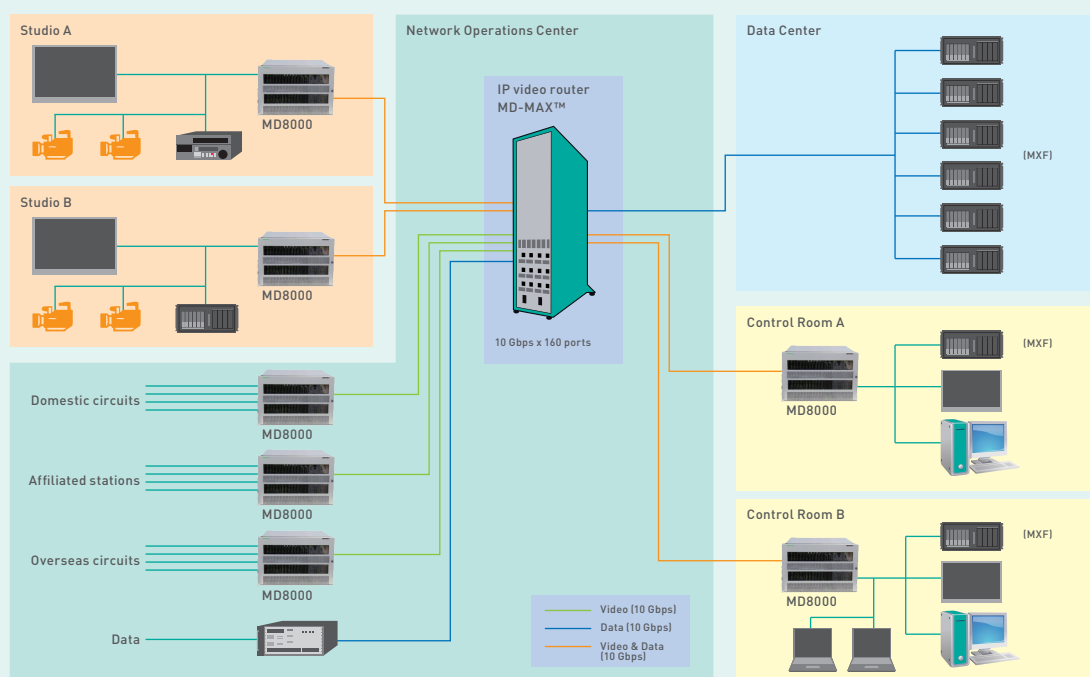
**Each port on the MD-MAX™ supports multiple simultaneous signals**, unlike other broadcast switches. Each of these signals can be routed independently and multicast to any combination of outputs through the switch fabric. Capacity of the switch is limited only by bandwidth, not by the total number of signals. This allows a single port to handle up to 5 uncompressed HD signals, or a much larger number of SD, DVB/ASI and other signals. Literally thousands of signals can be controlled and switched through a fully configured MD-MAX™ system, far exceeding the capacity of even the largest crosspoint router.

**The MD-MAX™ connects directly to the MD8000** using either short-reach or long-reach optical transmitters and receivers. Interface cards for HD, SD, DVB/ASI, AES Audio and T1/E1 signals have already been developed, with more to come in the future. Data sources and destinations that are already equipped with 10Gbit Ethernet interfaces can be connected directly to the MD-MAX™.



# MD-MAX™

## APPLICATION



As shown in the above diagram, the MD-MAX™ can be used in a variety of applications. Signals originating from a studio can be connected to an MD8000 shelf that converts and combines them into one or more 10 Gbit Ethernet signals. Data Center equipment that has 10 Gbit Ethernet capability can be connected directly to the MD-MAX™. Wide area signals from affiliated stations and domestic or international networks can be transported by MD8000 systems and connected directly to the MD-MAX™. Control Room data and signal sources can be flexibly connected directly or through the use of MD8000 shelves. Whenever circuits in any location are not being used for video transport, that bandwidth becomes immediately available for data and other applications to permit rapid repurposing of valuable studio interconnects.

## SPECIFICATIONS

Dimension	Inch	H x W x D	86.7" x 22.5" x 47.3"
	cm	H x B x T	220 x 57 x 120
Max. Weight	lbs		2160
	kg		980
Operating Temperature	°F		50 - 104
	°C		10 - 40
Power	V/A		11000
	V		200
	Hz		50/60
Module Slots	10 I/O Cards (16 x 10 GigE / card)		
	12 Power Supplies (6+6 Redundancy)		

Specifications subject to change

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