

MegaMux *STL-4000*



Add HDTV capability to your existing Studio-Transmitter Links - without purchasing costly microwave links.

MegaMux STL-4000 by Transparent Video is the most cost-effective broadcast technology available for converting stations to HDTV, allowing broadcasters to produce digital performance from existing STLs. The MegaMux STL-4000 dramatically increases the capacity of existing studio links, and is compatible with the FCC's reduced RF bandwidth requirements.

The MegaMux STL-4000 features advanced MPEG encoding, decoding and multiplexing technology, coupled with multi-level, digital RF modulation. The combined channels can be transmitted on existing analog microwave links using baseband video input. Transmit both NTSC video and the DVB-ASI HDTV transport stream to your transmission site simultaneously.

The all-in-one, compact design is easy to install, improves link performance and **eliminates the need for purchasing new microwave equipment.**

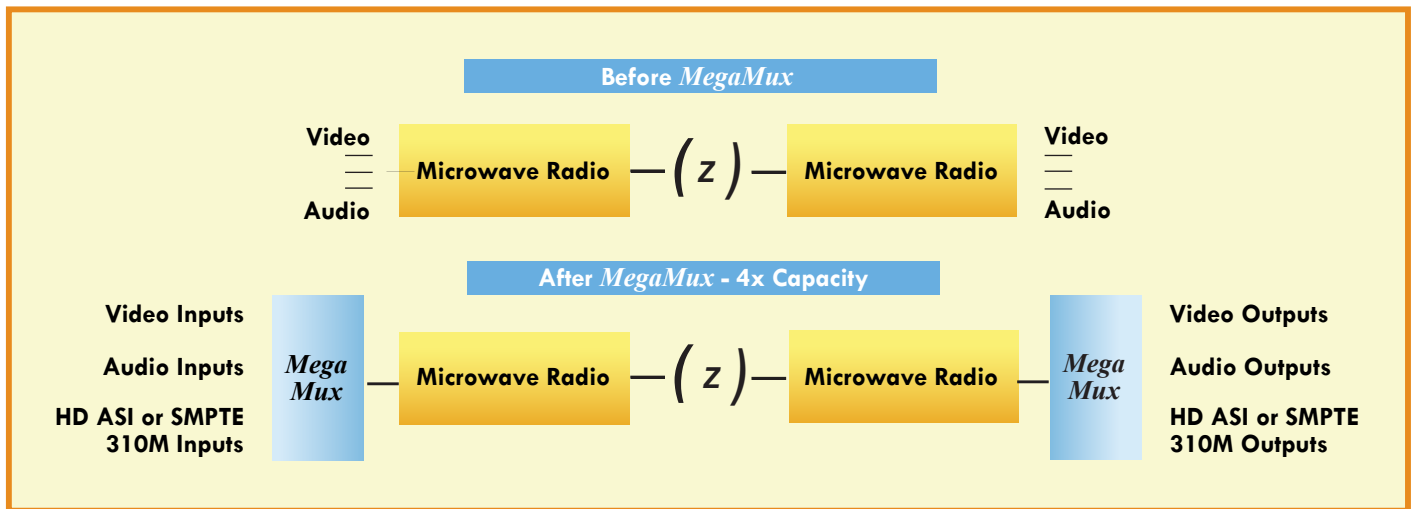
- Transmits one analog video, stereo audio, HDTV SMPTE 310 or DVB-ASI over an existing analog microwave link
- No additional equipment needed
- No RF engineering or FCC licensing required

The self-contained rack-mount system converts the NTSC video signals to an MPEG-2 stream at approximately 6 megabits per second for SD programs and 19.34 megabits per second for HD, and multiplexes them to provide multiple program support over a single RF carrier.

- Ideal for cable providers that want to add more video channel without buying additional microwave equipment
- Stretch your capital-improvement budget
- Save thousands of dollars while establishing a **seamless HDTV upgrade**



MegaMux STL-4000 Encoder Multiplexer



SPECIFICATIONS

Video Input

- Input Level: 1 Volt, Peak to Peak
- Standard: Composite NTSC or PAL, ASI or SMPTE 310M
- Impedance: 75 Ohm
- Connector: BNC

Stereo Audio Levels

- Adjustable levels 0dBm, -10 to +8
- Frequency Range: 20 Hz to 20 KHz, -3 dB points
- Impedance: 600 Ohms, Balanced
- Connector: Screw Terminal

RF Output

- Bandwidth: 2 to 7 MHz (channel load dependent)
- Output Level: 0.7 Volt Peak to Peak
- Impedance: 75 Ohms, Unbalanced
- Bit Rates: 4.5 Mb/s to 36 Mb/s

Control & Diagnostics

- Physical Controls: Front Panel LCD display with rotary encoder
- Physical Interface: RS-232 and Ethernet
- Electrical: 30 Watts @ 100 to 240 V AC, 50/60 Hz
- Physical: 2 rack units, 19" rack mount, standard