

# MegaMux *ENG-4000*



Quadruple the capacity of ENG transmissions - without purchasing additional microwave equipment.

MegaMux ENG-4000 by Transparent Video is the most powerful and cost-effective system available to transmit multiple NTSC video signals over a single analog system. This first-of-its-kind advanced broadcasting technology is used with fixed analog or portable microwave equipment to increase bandwidth capacity on ENG units by 400 percent - without sacrificing video or audio quality.

The self-contained rack-mount system converts the NTSC video signals to an MPEG-2 stream at approximately 6 megabits per second per program and multiplexes them to provide multiple program support over a single RF carrier. The MegaMux system transmits multiple video NTSC signals within parameters of proposed FCC regulations to reduce broadcasting bandwidth.

### **MegaMux ENG-4000 does the job of four microwave radio links - at a fraction of the cost!**

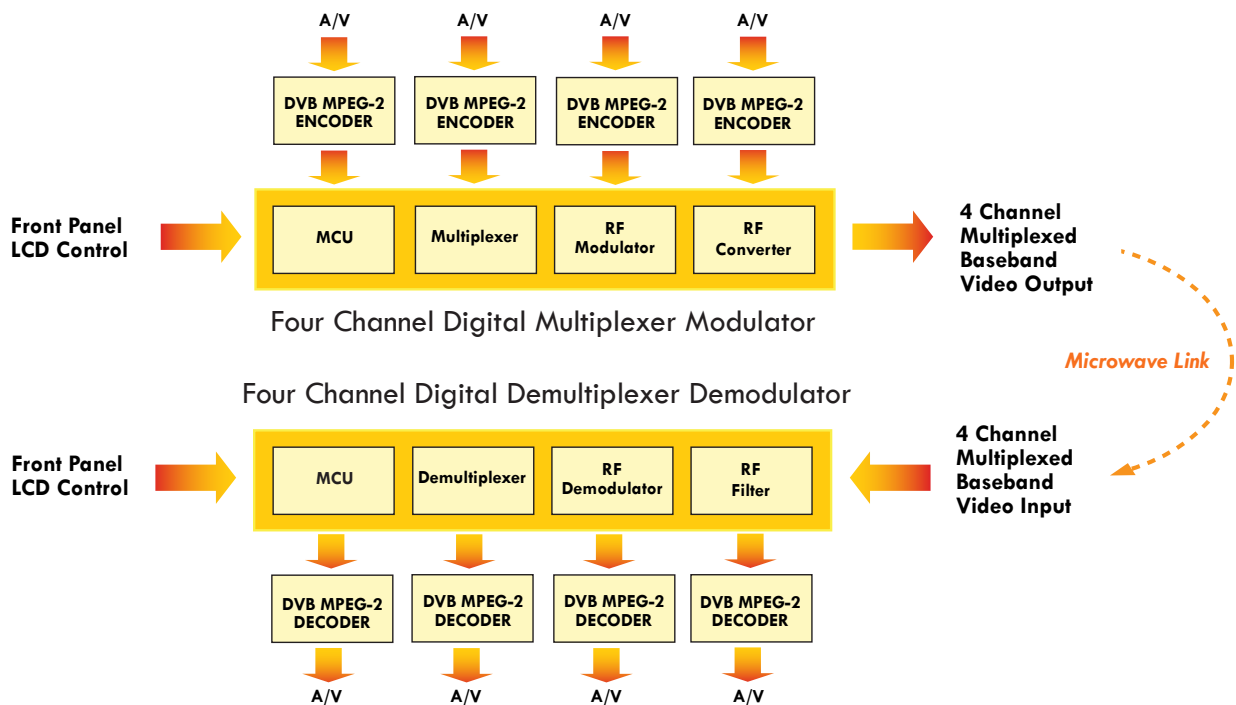
- Ideal for transmitting bilingual commentary over broadcasts of same live footage
- Self-contained and simple to operate
- Improves link performance
- Eliminates need for costly new microwave equipment

The MegaMux ENG-4000 is a complete four-channel real-time MPEG-2 encoder multiplexer. It compresses four channels of composite video and four channels of stereo audio. Offers enhanced capabilities that empower stations to develop more compelling news production - whether it's live or taped!

- Integrates into existing ENG infrastructures
- Designed for seamless integration with existing equipment
- Low power consumption



## MegaMux ENG-4000 Encoder Multiplexer



### SPECIFICATIONS

#### Video Input (x4)

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

#### 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