



- Colour touch screen display
- Designed for adjacent channel operation
- Class A/AB ultra linear amplification
- Full VSWR, temperature, and overdrive protection
- Auto shutdown with loss of input to Technalogix modulator.
- Ethernet and SNMP control and remote monitoring
- Easily upgradeable to HDTV
- Made in North America

RF CHARACTERISTICS

<i>Frequency Range</i>	VHF channels (2-13), UHF (14-69)	<i>Spurious Emissions</i>	>60 dBc
<i>Frequency Stability</i>	±250 Hz	<i>3rd Order IMD</i>	>60 dBc
<i>Rated Visual output Power</i>	250 Watts	<i>Frequency Response</i>	±0.5 dB
<i>Input Impedance</i>	75 ohm (modulator) 50 ohm (PA)	<i>Harmonics</i>	>53 dBc
<i>Selectivity</i>	60 dB (adjacent channel)	<i>Output Connector</i>	N female
<i>Rated Aural Power</i>	10% of peak visual power		

INTERFACE

<i>DB25 Remote Port</i>	Control: RF carrier on/off, RF power up/down, reset Monitor: Forward/reflected RF level, control PCB Vcc Flags: Amplifier overdrive, VSWR (adjustable trip point), high temperature
<i>Ethernet</i>	Control: RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model/serial number Flags: Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual status
<i>SNMP</i>	Control: RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, 12V/30V/48V current, attenuation, run time, RF fault, model/serial number Flags: Amplifier overdrive, VSWR, temperature, SNMP error

NTSC VIDEO CHARACTERISTICS

<i>Input Level to Modulator</i>	1.0 Vp-p	<i>Group Delay</i>	<±40 nS
<i>Differential Phase</i>	<±2 degrees	<i>Differential Gain</i>	2%
<i>K-factor</i>	1.9 for 2T pulse	<i>Hum and Noise</i>	>60 dBc

AURAL CHARACTERISTICS

<i>Input Level</i>	0.3 Vp-p (for 25 KHz deviation)	<i>Frequency Response</i>	<± 1 dB
<i>Harmonic Distortion</i>	<1% 50 Hz to 15 KHz	<i>Inter-carrier Stability</i>	<± 250 Hz
<i>AM Noise</i>	>50 dBc	<i>FM Noise</i>	>60 dBc below 100% modulation

MISCELLANEOUS CHARACTERISTICS

<i>Operating Temperature</i>	0 to 45 C, 32 - 113 F
<i>Minimal Rack Space</i>	Modulator 1U Power amplifier 5U
<i>Humidity</i>	90% non-condensing

ELECTRICAL CHARACTERISTICS

<i>Universal AC Input</i>	88 to 264 Vac, 47 - 63 Hz
<i>EMI Filtered max AC</i>	Modulator - 110 Vac @ 0.4 Aac, 220 Vac 0.2 Aac Power Amplifier - 110 Vac @ 5 Aac, 220 Vac 2.5 Aac