



- 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 & SNMP control and remote monitoring
- Easily upgradeable to HDTV
- Made in North America

RF CHARACTERISTICS

<i>Frequency Range</i>	VHF channel (2-13), UHF Channel (14-69)	<i>Frequency Response</i> ± 0.5 dB
<i>Frequency Stability</i>	±250 kHz	<i>Selectivity</i>
<i>Rated Visual Output Power</i>	1,000 watts	60 dB (adjacent channel)
<i>Input Impedance (ohms)</i>	75 (modulator), 50 (PA)	<i>Rated Aural Power</i>
<i>Spurious Emissions</i>	> 60 dBc	10% of peak visual power
<i>3rd Order IMD</i>	> 60 dBc	<i>Harmonics</i>
		> 60 dBc
		<i>Predominant IMD</i>
		> 53 dBc
		<i>Output Connector</i>
		VHF N female UHF 7/16" DIN

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 dB	<i>FM Noise</i>	> 60 dB

MISCELLANEOUS CHARACTERISTICS

<i>Operating temperature</i>	0 to +45 °C, 32 to 113F	<i>Humidity</i>	90% non-condensing
<i>Minimal rack space</i>	19" (W) X 20-U (H) including recommended space between enclosures		
<i>Low Power Consumption</i>	Modulator: 110 Vac, ¾ Aac. PA: 220 Vac, single phase, 14 Aac typ.		

* Due to continuous product improvements, Technalogix reserves the right to change specifications without notice.