

FRONTIER

MXi

MXi FRONTIER Series

The New in Cool.

New Low Power Convection Cooled Digital Transmitter & Translator Series



MXi Frontier Series delivers broadcast innovation in a convection cooled design and rugged performance under extreme conditions.

10W VHF Transmitter / Translator

- **Compact, Rugged, and Lightweight**
- **High Efficiency**
 - State-of-the-art Technology
 - Redundant Amplifier Design
- **Natural Convection Cooling**
 - No Fans
 - High Reliability
- **DC Input Option Available**
 - For Alternate Energy Sites (solar / wind power)



MXi FRONTIER Series 10W VHF - ATSC Specifications



Model:	DTR10SC
Output	
Power	10W
Frequency	54-88 MHz, 174-216 MHz
Output Connector	N-type
Out-of-band emissions	FCC non-critical Mask (critical Mask also available as option)
Signal to Noise	27dB
Pilot Phase Noise	-101 dBc/Hz (20kHz offset)
Pilot Carrier Frequency Stability	10 kHz
Input (Transmitter)	
Interface	ASI
Bit Rate	19.39MB/s
Symbol Clock Frequency	10.762238 MHz
Impedance	75 Ohms
Input (Translator)	
Frequency Range	54-806 MHz
Connector	F-type
Input Level	-78 to -8 dBm/6MHz
Impedance	75 ohms
General	
Power Requirements	150W (200W including REGEN Transcoder)
Voltage	95-130 VAC (DC input available on request)
Dimensions (inches)	
	h 7" (8.75" including REGEN Transcoder)
	w 19"
	d 12"
Humidity	95%
Cooling	Natural Convection
Temperature Range	0 to 50 degrees C