

MXi 50IU
500W Digital
ATSC Transmitter



MXi Series: Incite. Intuitive Digital Progress. Anywhere.

LARCAN's MXi Series delivers broadcast innovation and unsurpassed performance by design. Developed from 'start to success' with the same renowned LARCAN quality and design of our high power broadcast solutions – the MXi Series seamlessly integrates proven technology with the next steps in rugged and rich delivery. A compact design with clear and consistent results – it's the best choice for broadcasters worldwide looking for next generation innovations in broadcast network solutions.

MXi Series: Digital Solutions for Broadcast and Beyond

- Capable of all Standards in Analog, Digital - ATSC, DVB and DVB-H
- Available in power levels from 5 Watts to 1kW
- State-of-the-art Digital Modulator for optimum performance
- Broadband Design, Frequency Agile
- High Performance LDMOS technology amplifier design
- Fully Regulated Power Supplies
- Compact & Reliable
- Integrated Cooling System designed for extreme conditions

MXi Series

5 Watts to 1kW and beyond

LARCAN's MXi Series is 'customer-fit' engineered to produce a superior signal, anywhere. Our solutions bring you the best in new broadcast technology.

Customer driven and purpose designed for optimum performance across all standards, digital and analog – we integrate our expertise with your unique application to deliver results.

Our broadcast solutions are the product of innovation at its best – delivering superior performance, quality, reliability and service.

A solid, simple and superior design – MXi Series is the best fit for broadcasters who want the ultimate in performance.

Specifications

ATSC Transmitter MXi Series 500W

Output	Power	500W
	Frequency	470-860 MHz
	Output Connector	N-Type
	Pilot Phase Noise	-105 dBc/Hz (20kHz offset)
	Precision Frequency Offset Option	any offset, 1Hz
	Pilot Carrier Frequency Stability	±150 Hz
Specification	Out-of-Band Emissions:	FCC Mask
	Signal-to-Noise:	30dB
	EVM:	3%
	Interface:	SMPTE310M or ASI
	Bit Rate:	19.39 MHz
	Symbol Clock Frequency:	10.762238 MHz
	Impedance:	75 ohms
General	Power Requirements	2.4 kVA (worst case)
	Voltage	208VAC 50/60Hz (1 Φ or 3 Φ)
Dimensions	Height	10.5 inches
	Width	19 inches
	Depth	30 inches
Environmental	Temp Range	0 to 45 °C
	Altitude	10000 ft AMSL
	Humidity	95%
	Cooling	Forced Air



**Award winning MXi 201U
100W Transmitter**



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