

NEW
MXi Series
Digital / Analog Solid State UHF Transmitters
5Watts to 1kW and beyond



MXi 101U
50W Solution

MXi Series: *Incite*. Intuitive Digital Progress. *Anywhere*.

LARCAN's *new* Low Power Series of transmitters provides digital progress with any standard – *anywhere*. Choose from 5Watts to 1kW digital and beyond.

Designed to address the innovative needs of emerging DVB-T/DVB-H markets and Single Frequency Networks worldwide – MXi Series is a complete solution for broadcast applications, mobile video and beyond. MXi Series also meets all your analog needs with innovations in design and superior performance.

MXi Series is a simple and intuitive solution – embodied in a compact design. With features that utilize a touch-sensitive LCD display – designed to monitor and report all operating parameters – you are ensured of superior digital quality across all standards. The MXi Series' amplifier is true broadband – with innovations in delivering extreme linearity, anywhere.



LARCAN's MXi Series delivers broadcast innovation and unsurpassed digital 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 digital 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: *Incite*. Intuitive Digital Progress. *Anywhere*.
Digital Solutions for Broadcast and beyond
Choose from 5Watts to 1kW**

- Capable of all Standards in Analog, Digital, DVB and DVB-H.
- State-of-the-art digital modulator for optimum performance
- Broadband Design, Frequency Agile
- High Performance LDMOS technology amplifier design
- Field Proven for Digital & DVB Operation
- Fully Regulated Power Supplies
- Compact and Reliable
- Integrated Cooling System designed for extreme conditions



MXi Series

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LOOK TO LARCAN FOR TRULY MADE TO MEASURE SOLUTIONS

LARCAN's MXi Series is 'customer-fit' engineered to produce a superior digital signal, anywhere. Our Digital solutions bring you the best in 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 digital design – LARCAN is the best fit for broadcasters who want the ultimate in performance.



Looking for a Better Fit?
We hear you. Loud and clear.



**MXi Series
50W Solution**

A complete solution for your DVB-T/DVB-H and Single Frequency Network broadcast needs – the MXi Series is available from 5Watts to 1kW digital.

Each of the MXi Series solutions are complete with digital modulator, power supplies and air-cooling fans and filters. The result is digital innovation and intuitive performance.

LARCAN, your best digital fit!

**LARCAN State-of-the-art
Amplifier Technology**





MXi Series
LARCAN MXi Series
ATSC Transmitter Specifications

Transmitter model number:		MXi 030U	MXi 101U	MXi 201U
Specification:		ATSC	ATSC	ATSC
Output	Power	10W	50W	100W
	Frequency		470-806 MHz	
	Output Connector		N-type	
	Pilot Phase Noise		-105 dBc/Hz (20kHz offset)	
	Precision Frequency Offset Option		any offset, 1Hz st.	
	Pilot Carrier Frequency Stability		±150 Hz	

Specification	Out-of-Band Emissions:	FCC Mask (Part 73)
	Signal-to-Noise:	30dB
	EVM:	3%
	Interface:	SMPTE310M
	Bit Rate:	19.39 Mbs
	Symbol Clock Frequency:	10.762238 MHz
	Impedance:	75 ohms

General	Power Requirements	kVA	0.26	0.55	0.85
	Voltage		120-240 VAC 50/60Hz		
	Dimensions	h in	5.25	5.25	5.25
		w in	19	19	19
		d in	24	24	24
	Temp Range		0 to 45 °C		
	Altitude		7500 ft AMSL		
	Humidity		95%		
	Cooling		Forced Air		