

**NEW**  
**MXi Series**  
Analog / Digital Solid State VHF Transmitters  
1Watt to 500Watts and beyond



**MXi Series 100W - DVB**

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

LARCAN's *new* Low Power Series of transmitters provides analog to digital progress with any standard – *anywhere*. Choose from 1 Watt to 500 Watts analog 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 analog & digital broadcast applications, mobile video and beyond. MXi Series 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 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 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: *Incite. Intuitive Progress. Anywhere.***  
**Analog Solutions for Broadcast and beyond**  
**Choose from 1 Watt to 500 Watts and beyond**

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



**MXi Series**

Analog / Digital Solid State VHF Transmitters  
1Watt to 500Watts and beyond

**LOOK TO LARCAN FOR TRULY MADE TO MEASURE SOLUTIONS**

LARCAN's MXi Series is 'customer-fit' engineered to produce a superior signal, anywhere. Our 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 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  
100W Solution**

A complete solution for your Analog, Digital, DVB-T/DVB-H and Single Frequency Network broadcast needs – the MXi Series is available from 10 Watts to 200 Watts digital and 1 Watt to 500 Watts analog.

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

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





**MXi Series - Analog VHF**  
**LARCAN MXi Series**  
**NTSC Transmitter Specifications**

Transmitter model number: Specification:		MXi 101V NTSC	MXi 201 NTSC	MXi 401V NTSC
<b>Output</b>	Power Frequency Output Connector	100 54-88 MHz, 174-230 MHz N-type	200	500
<b>Input</b>	Input Impedance Input Level	75 ohm 0.2 to 2.0 V p-p		
<b>Performance</b>	-3.58 MHz -1.25 MHz and lower Carrier to -0.5 MHz Carrier to +200 kHz Carrier to +4.0 MHz 4.0 MHz to 4.18 MHz 4.75 MHz to 7.75 MHz  Frequency Stability Harmonic Radiation Three Tone IMD	-42 dB -20 dB ±0.5 dB 0 dB (ref) ±0.5dB +0.5 - 2.5 dB -40 dB  ±150 Hz 100 dB -55 dB		
<b>Video</b>	Differential Phase Differential Gain 2T Pulse Response ICPM Video Noise	±3° ±3% 1% ±3° -55 dB		
<b>Audio</b>	FM Noise AM Noise Distortion Response	-60 dB -60 dB 0.5% ±0.5 dB		
<b>General</b>	Power Requirements Voltage  Dimensions Temp Range Altitude Humidity Cooling	kVA  h w d  0 to 45 °C 7500 ft AMSL 95% Forced Air	0.55 120-240 VAC 50/60Hz	0.85  5.25 19 24  5.25 19 24  1.55  10.5 19 24