

LANDMARK

Analog UHF IOT Transmitter
25kW to 240kW and beyond



LANDMARK (IOT)
70KW NTSC

LANDMARK: Rugged. Reliable. Renowned.

LARCAN's Landmark Series of UHF IOT Transmitters is designed for power, precision and performance. The ultimate in analog broadcasting – from 25kW to 240kW strong, Landmark is built for broadcasters that demand a serious IOT-based high power transmitter.

Landmark continues to make its mark as the premium standard – delivering outstanding performance through solid design and superior quality.

*Landmark – Unlimited Capabilities.
Experience Analog IOT Power at its Best.
Choose 25kW to 240kW and beyond!*

- High Efficiency IOT
- Driver based on LDMOS technology for superb linearity
- IOT Protection and Control Circuitry
- 'Fail Safe' Personnel Safety and Protection
- Multiple Microprocessors use Advanced 'Bulletproof' Software
- Distributed Control Architecture
- Ease of Installation and Maintenance
- Superior Dependability

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Analog UHF IOT Transmitter

LOOK TO LARCAN FOR TRULY MADE TO MEASURE SOLUTIONS

The Landmark Series delivers analog UHF at its best – with the high performance and reliability your broadcast deserves. Developed and built with the same renowned LARCAN quality of our solid state broadcast solutions, Landmark seamlessly melds proven technology with rugged performance and rich delivery. Designed from ‘start to service’ through LARCAN customer-fit engineering.

The ultimate in design – Landmark integrates unique LDMOS technology with advanced control architecture. LARCAN’s leading-edge technology and experience ensure you the highest quality broadcast signal. Rugged and Reliable – Landmark is your made to measure solution.

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



LANDMARK

LANDMARK 70kW Specifications

NTSC Transmitter

Output	Power	70 Visual / 7kW Aural
	Frequency	470-806 MHz
	Output Connector	6 1/8" EIA
Input	Input Impedance	75 ohms, unbalanced
	Input Level	0.5 to 2.0 V p-p
Performance	-3.58 MHz	-42 dB
	-1.25 MHz and lower	-20 dB
	Carrier to -0.5 MHz	-1 / +0.75 dB
	Carrier to +200 kHz	0 dB (ref)_
	Carrier to +4.0 MHz	±0.75 dB
	4.0 MHz to 4.18 MHz	+0.1 / -0.75 dB
	4.75 MHz to 7.75 MHz	-20 dB
	Frequency Stability	±150 Hz
	Harmonic Radiation	-80 dB
	Three Tone IMD	-53 dB
Video	Differential Phase	±4°
	Differential Gain	±5%
	2T Pulse Response	2.5%
	ICPM	±2°
	Video Noise	-50 dB
Audio	FM Noise	-58 dB
	AM Noise	-40 dB
	Distortion	0.5%
	Response	±0.5 dB
General	Power Requirements	120 kW Black Picture
	Voltage	480 VAC 3 Phase Wye
	Temp Range	0 to 40°C
Dimensions	Height	76 inches
	Width	92.75 inches
	Depth	40.27 inches

An easy and practical solution for your DTV transition – Landmark is easily converted to a premium quality ATSC-standard digital transmitter by simply replacing the exciter and output filter. The result is digital innovation and precision performance. Rugged. Reliable. Renowned. LARCAN, your best digital fit.

