

MAGNUM

Digital Solid State UHF Transmitter
2.2kW to 20kW and beyond



MAGNUM 4.4kW - DVB

MAGNUM: The Definitive in Digital Power

LARCAN's Magnum Series – an award winning solution that delivers new technology and innovation at its best. A 'bullet-proof' design – Magnum is an elegant, non-nonsense transmitter that fits your broadcast needs.

It's a smart choice for broadcasters that demand a superior digital signal

Magnum delivers like no other transmitter!

- 100% Solid State UHF Transmitter
- Broadband Amplifier (No tuning Adjustments)
- Customizable Cooling System
- Extensive Monitoring and Diagnostics
- Cost Effective, High Performance
- Reliable and User Friendly
- Magnum is the product of engineering at its best!

MAGNUM

Digital Solid State UHF Transmitter

MAGNUM – A Smart Digital Choice

Magnum is the work of engineering at its best – a solid and superior design for broadcasters who want the ultimate in a digital signal.

The award winning Magnum series of digital solid state UHF transmitters is built on pure performance, delivering the definitive in digital power.

Innovative features include our broadband LDMOS amplifiers, which require no tuning and offer the ruggedness and reliability you've come to expect from LARCAN.

Looking for the best in digital? We hear you. Loud and clear.



**MAGNUM SERIES
DTT5KSU**

MAGNUM 4.4kW Specifications

DVB Transmitter - MAGNUM DTT5KSU

Output	Power	4.4kW Avg. Digital Power
	Frequency	470-860 MHz
	Output Connector	1-5/8" EIA
	Modulation Error Ratio	30 dB or better
	Pilot Phase Noise	-105 dBc/Hz (20kHz offset)
	Precision Frequency Offset Option	Any offset, 1Hz step size
	Frequency Stability	±150 Hz
Input	Interface	ASI
	IFFT	2K, 4k, 8k
	Guard Intervals	1/4, 1/8, 1/16, 1/32
	Code Rates	1/2, 2/3, 3/4, 5/6, 7/8
	Constellations	QPSK, 16-QAM, 64-QAM
	Bandwidth	8MHz, 7MHz, 6MHz
	Impedance	75 ohms
General	Voltage	220-380VAC / 3-Phase, 50/60Hz
	No. of Cabinets	2
	Temp Range	0 to 40 ° C
	Altitude	2300 M
	Humidity	95%
	Cooling	Forced Air
Dimensions	Height	1982 mm
	Width	1403 mm
	Depth	1120 mm

Magnum's PA Module design combines the expertise and experience of our legendary M Series transmitters with an innovative new stripline coupler design (patent pending). The result is innovation – unprecedented levels of power density and superior linearity.

