

DTX SERIES

DTX2KU

SOLID STATE
Digital Transmitters for VHF & UHF TV



DTX SERIES is the **ULTIMATE** in **PERFORMANCE** and **ECONOMY.**

Pineapple Technology, Inc. is a leading provider of high-quality broadcast products at an affordable price. With over 15 years serving the Broadcast Industry from PALLETS to MULTI-KW TRANSMITTERS Pineapple Technology, Inc. remains an industry leader.

SPECIAL FEATURES

- FCC Type Certified
- Solid State Modular Construction
- Broadband LDMOS Technology
- High Efficiency
- Reliable and Service Friendly
- Plug and Play Construction
- Multiple Levels of Protection
- GPS Lock Option Available

Made and Serviced in the U.S.A.



PINEAPPLE TECHNOLOGY, INC.

www.ptibroadcast.com

DTX2KU

TRANSMITTER PERFORMANCE

Power Output	2KW RMS After Mask Filter
Frequency Coverage	All Channels Between 14-52 (Selectable)
Frequency Stability.....	1ppm 0 to 50 Degrees Celsius
Out of Band Emission	FCC Compliant
Output Digital Signal	ATSC Compliant
IMD	SHOULDER < 47 dB (50 dB typical)
MER.....	>27 dB (32 dB typical)
Phase Noise.....	-103 dBc/Hz or better

INPUT SIGNAL REQUIREMENTS

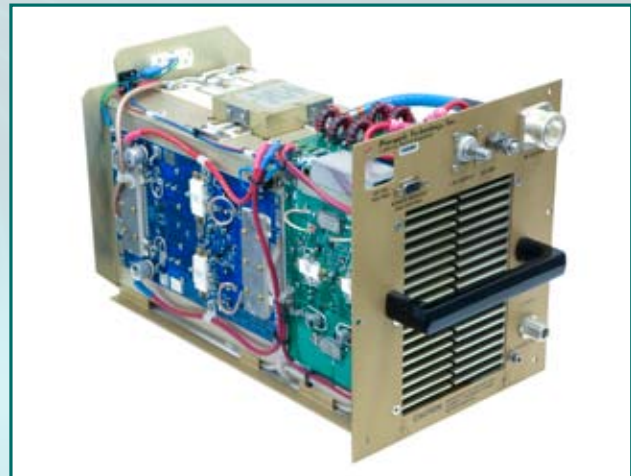
TS Input	ASI or SMPTE310
Bit Rate.....	19.3 MHz
Impedance.....	75 Ohms

OPERATING CONDITIONS

AC Power requirements	208 VAC 3-Phase (5 wire)
Optional AC input	208-240 VAC Single Phase (4 Wire)
Power Consumption	14 KVA Typical
Operating Temperature	0 to 40 Degrees Celsius
Cooling	Forced AIR to 5,000FT Std.
High Elevation Package	Forced AIR to 10,000FT

MECHANICAL

Cabinets	2 ea.
Output Connector	1 5/8 EIA
Remote Interface	DB15 Female
Height	83.5 inches
Width.....	22 inches
Depth	44 inches
Weight	1200 lbs (approximate)



PA1K

The PA1K is a 2-stage integrated power amplifier with redundant protection from load mismatch and over temperature. The input stage includes a gain and phase matching circuit, a 2-way in phase splitter, and PA Shutdown Interface. The output pallet uses a pair of 250 Watt rated LDMOS power transistors. A pair of these pallets are combined and isolated from output load mismatch by an isolator. These amplifiers are removable by sliding them out the rear of the chassis. The DB9 interface at the rear of the chassis allows for monitoring of current, voltage, and serves as an interface port for external shutdown.

OPTIONAL EQUIPMENT

- Program Interface for 1, 2, 3, or 4 Channels of with ASI Output.
- Remote Interface via Internet or Modem
- GPS BAND Low-Pass Filter (as required by the FCC)
- GPS Receiver (as required by the FCC)
- True RMS Watt Meter



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