

Model - Pd2-TX

The most important thing we build is trust

Palladium Digital Video Transmitter

The Palladium Series of digital video transmitters provides exceptional video quality in high multipath environments. They are ideal for use inside buildings, in urban areas, and other applications where multipath would cause video tearing or breakup in analog signals.

All Palladium II series transmitters are programmable to support 3 bandwidth modes:

- Wideband DVB-T (6, 7, 8 MHz)
- Narrow band (2.5MHz)
- Ultra-narrow band: (1.25 MHz)

All Palladium Series transmitters are designed to transmit video, two audio channels, and a data channel. Transmitters may be located on adjacent channels without a guard band. AES encryption ensures secure communications.

The Palladium II 100 is ideal for concealments, robotic, and UAV applications, the package is only 4.2" x 2.75" x 0.65" (approximate dimensions not including connectors).



Accessories:

- 10 cell AA Lithium Battery Pack
- Microphone (2)
- DC Power Cable, flying lead
- Camera Power Cable, flying lead
- Programming Cable
- Antenna

*Dependent upon baseplate temperature

Features:

- Power Output available *100 mW, 250 mW, or 1W
- Wideband DVB-T compliant: 6, 7, 8 MHz
- Narrow bandwidth 2.5 MHz wide channel
- Ultra Narrowband 1.25 MHz wide channel
- Full frame rate standard resolution digital video
- Supports both NTSC & PAL formats
- MPEG-2 or MPEG-4 compression
- Two high fidelity audio channels
- AES 128 encryption, AES 256 optional
- Serial data channel 115.2 Kbaud max
- Optional 2 W external power amp (c-band)

Specifications:

Physical Dimension	4.2" x 2.75" x 0.65" (100mW)
Operational Temp	-10° C to 60° C
Input Voltage	10 to 16 VDC
Power Consumption	7.5W (100 mW only)
PC Control Interface	RS-232
Memory	Eight user-programmable conf.
Compression	Standard MPEG-2 or MPEG-4
COFDM	2000 carriers DVB-T, 400 carriers narrowband
Chrominance Profile	4:2:0
Antenna Connector	SMA
Video Latency (end to end)	54 milliseconds
Operating Frequency	C 4400-5000 MHz L 1710-1850 MHz S 2400-2500 MHz S2/3 2200-2400 MHz * other bands under development
Channel Bandwidth	1.25/2.5 MHz (narrowband) 6,7,8 MHz DVB-T

For further information please contact:

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