

DTC Palladium™ II Digital Video TX & RX C-band Kit

COBHAM

Model - Pd2-TX/RX-Kits

The most important thing we build is trust

Palladium Digital Video TX & RX Kit

The Palladium Digital Transmitter/Receiver Kit includes everything you need to receive high-quality video using the most advanced digital technology. 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.

The new DVB-T mode provides compatibility with other manufacturer's DVB-T compliant products. Palladium II Series is also

compatible with the existing Palladium product family when configured in the Narrow band (2.5 MHz) mode.

The Palladium II 100 is a small transmitter with a 100 mW RF power output. This unit is ideal for concealments and shorter range robotic and UAV applications. The package is only 4.2" x 2.6" x 0.65" (approximate dimensions not including connectors). Power consumption is 7.5 Watts. Operation time on a fresh set of disposable AA Lithium batteries is approximately three hours. All connections are conveniently located off the ends of the unit.

Features:

- Power Output available 100 mW
- 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 high 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



Specifications:

Physical Dimension (approx.)	4.2" x 2.6" x 0.65" (not including connectors)
Operational Temp	-10° C to 50° C
Input Voltage	10 to 16 VDC
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
Operating Frequency	C 4400-5000 MHz L 1710-1850 MHz S2/3 2200-2400 MHz * other bands under development
Video Latency (end to end)	End to end delay of 54 milliseconds
Output Frequency	Band Dependent
Channel Bandwidth	1.25/2.5 MHz (narrowband) 6,7,8 MHz DVB-T
Power	100 mW * other power levels in development

For further information please contact:

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