



Portable Digital Transmitter

RFX-PDT

Frequency Band	2.0 GHz (others available)
Tuning Range / Frequency Selection	300 MHz standard bandwidth. Wider Bandwidths available to special order up to 16 pre-set channels, tuning in 1 MHz steps.
Transmit Power	500mW
Modulation	COFDM DVB-T 2k
Modulation Modes	QPSK, 16QAM, 64QAM FEC: 1/2, 2/3, 3/4, 5/6, 7/8 Guard Interval: 1/4, 1/8, 1/16, 1/32
Data Rate	4.98 to 31.7 Mbit/s
Bandwidth	8 MHz (7 & 6 MHz available)
Encoding Options	MPEG-2: 4:2:0/4:2:2 high quality video (DVB standard)
Latency	Selectable to less than 2 frames minimum, Tx to Rx
Video Input	Digital: SDI 270 Mbit/s Analog: YUV, Y/C or composite video
Audio Input	AES/EBU 2x stereo Digital: SDI embedded Analog: 2x stereo/4x mono inputs, mic/line selectable
ASI Input	ASI transport stream. 188/204/byte automatic selection
Power Requirement	11-35 VDC (33W at 12 VDC)
Mechanical Interface	Wedge plate compatible with all standard interfaces.
Size	8.75" (L) x 5.75" (W) x 2.125" (H), Weight 4.2 lbs.
Environment	Temperature: -20 to +50 degrees C Altitude: 14,500 ft. Humidity: 95% long term

The RFX-PDT from RF Central is a state-of-the-art, compact digital transmitter for use in harsh RF environments, where size and weight combined with broadcast performance is important. With all connectors on the front panel, the RFX-PDT is particularly suitable for use as a helicopter downlink transmitter in broadcast, security, and other specialized applications.



Need Help? Contact **RF Central** Technical Support
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