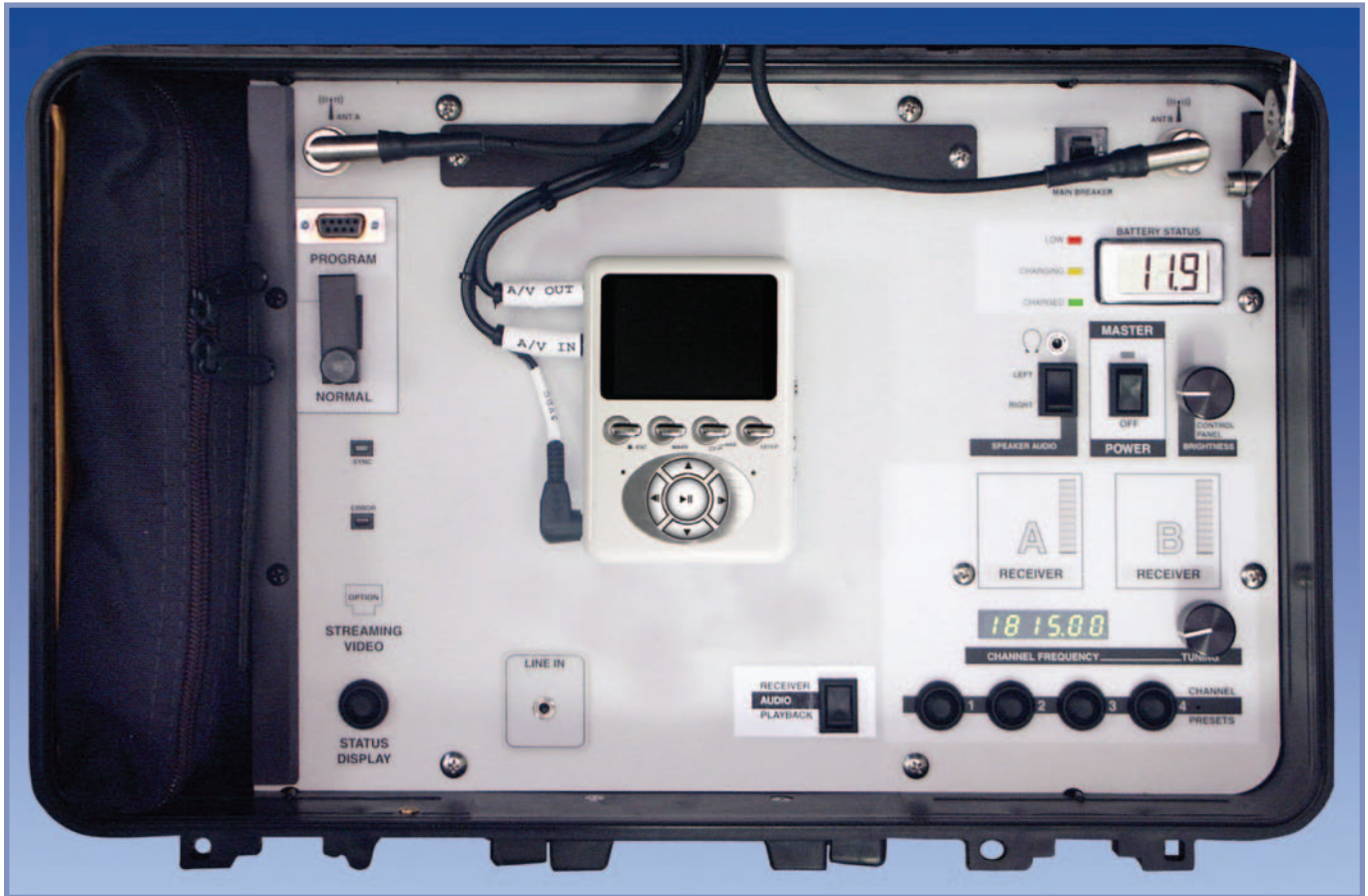


Palladium™ MiniPIX™ Digital Receiver/Recorder

Pd2-MPX



Features

- ▲ Palladium COFDM Receiver
- ▲ 2.5 MHz channel spacing
- ▲ Tunable Receiver with 4 memory presets
- ▲ Diversity receiver system
- ▲ AES 128 bit Encryption
- ▲ Optional 256 bit encryption
- ▲ Optional Streaming Video over IP
- ▲ Antennas mounted in lid
- ▲ 10" color monitor in lid
- ▲ AC, DC, internal battery operation
- ▲ Compatible with all Palladium Series Transmitters
- ▲ Optional Digital Video Recorder
- ▲ Lightweight rechargeable Li-ion Batteries



On-screen diagnostics including RSSI

The Palladium series MiniPIX Digital is a briefcase receiver and recorder package for tactical video surveillance operations in law enforcement and the military. It can also be used as a remote video receiver for UAV and UGV applications.

The MiniPIX Digital combines a Palladium COFDM digital receiver, two down converters and two antennas into one rapidly deployable briefcase kit. A 10" color monitor is mounted in the lid. A choice of recording options is available, including the DTC's State-of-the-art digital technology. Power sources include a Li-ion internal, rechargeable battery; AC operation, and external DC operation. All cables are included in the kit.

Palladium receivers provide exceptional performance in high multi-path environments. Line-of-sight is not required to the transmitter. Palladium systems use COFDM modulation and MPEG 2 video compression. Channels occupy only 2.5 MHz of spectrum, compared to 17 MHz for typical analog system. Data is transmitted redundantly over approximately 400 individually modulated carriers. Maximal Ratio Combining diversity overcomes the deep signal nulls often encountered in mobile and portable video operations. Data may be encrypted using AES encryption.

DTC State-of-the-Art Video Recording

DTC's state-of-the-art digital video recording capability provides a fast and easy way to capture full-resolution picture quality with no degradation. Our modern solution replaces tape with a versatile, extensible hard drive solution. Reliability and fast access with full frame-rate recording are its hallmarks. DTC offers at least three hours of continuous, zero compression record time. More record time can be achieved if lower resolution is used.

Our system enables still picture grabbing at full resolution as well. This compares quite favorably with competitive technologies, which can provide only low-resolution snapshots. Faster download times are another DTC advantage.

Naturally we provide audio and video out connectors so you can always record video and audio using your own external recorder.

Model

- ▲ Pd2-MPX-X-DVR Digital Receiver, Ghost recorder
- ▲ Pd2-MPX-X-XXX Digital Receiver, no recorder
- ▲ Call for band availability
- ▲ Digital video recorder model subject to change



Specifications

Signal Formats	NTSC or PAL (Auto Sensed)
Resolution	352, 480, 528, 704 Pixels, (Auto Sensed)
Channel Presets	4 Programmable on panel
Channel Display	6 Digit LED
Frequency Bands	L (1710 - 1850 MHz) S2/3 (2200 - 2400 MHz) S (2350 - 2500 MHz) C (4400 - 5000 MHz)
Number of Receivers	Two
Modulation Selectable	QPSK, 16QAM
Impedance	75 Ohms
Video Compression	MPEG II
Status Display Button	Diagnostic On-Screen Overlay
Streaming Video	RJ45 Provides IP Connection to Server
Tuning LED/Control	0.1 MHz Resolution
Dimmer Control	Panel Illumination
Monitor	10-Inch Color LCD
SYNC Indicator	ON When Sync Present
ERROR Indicator	OFF When Valid Signal Present
Antennas - Internal	Two DTC omnidirectional, 4 dBic polarized antennas in case.
Antennas - External	Two TNC connectors provided for optional external antenna operation
Recorder	Optional: Digital Ghost Recorder
Housing	High Impact Plastic
Dimensions	17.8" W x 7.0" H 11.0" D
Weight	18 Lbs.
Power Source	AC, DC, internal Li-Ion rechargeable battery
Operating Time	Approximately 2 Hours on Full Charge

