

PRX-II

Portable Handheld Receiver



APPLICATIONS:

- Portable and handheld receive applications, including ENG confidence monitoring, security and surveillance environments

FEATURES:

- Simple-to-use, software-driven operation
- Portable COFDM/DVB-T receiver
- Lightweight, handheld design
- 5.6" TFT LCD display
- Up to 2.0 hour runtime on internal batteries
- Composite and VGA video output
- Stereo analog audio output via RCA jacks, 1/8" mini headphone jack
- Stream recording and playback via standard SD card
- Custom Pelican storage/transport case

OPTIONS AND ACCESSORIES:

- Available in 2.0, 5.8 and 6.4 GHz bands (other bands upon request)
- Spare Lithium Polymer batteries
- Cigarette Lighter 12VDC power cable
- Spare "sled"chargers
- Spare "rubber duck" antennas
- Rubber protection sleeve with desktop stand
- "Power bracket" with handle and Anton Bauer interface plate (enables powering the receiver for long periods using an A/B Dionic 90)
- Anton Bauer Dionic 90 Lithium-Ion camera battery (requires the "power bracket" option)

The PRX-II is RF Central's digital-only, 4:2:0 handheld receiver with monitor solution. The highly versatile unit serves as a receiver confidence monitor, COFDM receiver, and engineering diagnostic tool. The PRX-II compact digital COFDM receiver includes an integral high brightness 5.6 inch LCD display.

Designed for the needs of security, surveillance and broadcast users, it can be configured in a variety of bands depending upon customer application. The receiver can be configured at time of order for 2 GHz (broadcast), 5.8 GHz (license free) or 6.4/7.1 GHz (law enforcement/other) use.

Weighing only 1 lb. (.45 kg), the package is highly portable and can be powered by available internal batteries or via an external 12 Vdc supply or lighter adapter. The PRX-II decodes 4:2:0 video and can be configured for 6, 7 or 8 MHz bandwidths by the operator. The user can also program select channel plans.

Local control is available through front panel push button access with available lock-out feature to retain settings. Other features include Composite Video Output, VGA Output, Analog Audio Output, Earphone Output, built in internal speakers and tripod mount. The units top mounted SD card slot, allows the user to record the received stream for later playback with full local control. The PRX-II is designed and delivered as a CE and RoHS compliant product.

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Specifications:

Frequency Band:	2.0 GHz, 5.8 GHz, and 6.4 GHz (others available)
Tuning Range/ Frequency Selection:	Programmable
Demodulation:	COFDM DVB-T (2k carrier)
Demodulation Modes:	QPSK, 16QAM, 64QAM Guard Interval: 1/4, 1/8, 1/16, 1/32
Bandwidth:	8 MHz, 7 MHz, and 6 MHz
Decoding Options:	MPEG2: 4:2:0
Video Output:	Analog: NTSC composite, PAL, VGA
Audio Output:	Analog: 2x RCA, Headphone, Speakers
Video Display:	5.6" (14.2 cm), 4:3 or 16:9 format
On Screen Display:	Channel, constellation, PID info, C/N, MER
Record/Playback:	MPEG/JPEG/Video/MP3 via SD card
Power Supply:	5V DC Lithium Polymer Rechargeable Battery or external power; DC supply, 12V input
Run Time:	2 hours with internal battery
Antenna:	Band Dependent w/SMA
Case:	Ruggedized ABS plastic

Physical:

Weight:	1 lb. (.45 kg)
Size:	4.7" H x 6.3" W x 1.5" D (11.9 x 16.0 x 3.8 cm)
Regulatory:	CE/RoHS compliant