

Coyote™



DUAL MODULAR RECEIVER

Coyote™ is a high performance, modular receiver system providing two unique and independent RSSI measurements using precision dual receivers. Coyote™ is designed from the ground up to provide hot-swappable components including removable/rechargeable Li-Ion battery, Compact Flash™ storage, removable 12-channel GPS receiver module and two removable receiver modules. Optional, GPS-based **Forecaster™** mapping software makes Coyote™ the most comprehensive receiver system available to engineers today.

REMOVABLE
RECEIVERS

REMOVABLE
GPS RECEIVER

REMOVABLE
CF STORAGE

REMOVABLE
BATTERY

FREQUENCIES

Users may install any two at one time of the frequency modules listed. Custom frequencies are also available upon request.

WI-MAX
MMDS
ISM
PCS
LMR
IDEN/SMR
Cellular
ETACS
Paging
WCS
GSM

*custom frequencies
available upon request

FEATURES

- Multiple band options supported including Wi-MAX, Cellular, GSM, LMR, PCS, ISM, WCS, etc.
- Dual modular receivers allow users to swap various bands while in the field
- High measurement rate, more than twice that of Dr. Lee's recommended 40 λ
- Removable 12-channel differential capable GPS modular receiver
- Removable rechargeable Li-Ion battery system found on standard PC laptops
- Removable Compact Flash memory system for data storage (unit includes 64MB card)
- Captured data output via USB and serial ports for connectivity to any PC
- Optional GPS-based mapping **Forecaster™** PC software
- Weighs only 7 pounds fully loaded

Call us today for more information:
(732) 548-3737 / Fax: (732) 548-3404
Internet: www.bvsystems.com
E-mail: info@bvsystems.com





DUAL MODULAR RECEIVER

BANDS SUPPORTED

Wi-MAX:	2.5 or 3.4 GHz
MMDS:	2.5-2.7 GHz
ISM:	2.400-2.485 GHz
	900-930 MHz
WCS:	2.30-2.36 GHz
PCS:	Uplink (Blocks A through F) 1850-1910 MHz
	Downlink (Blocks A through F) 1930-1995 MHz
LMR:	805-825 MHz
iDEN/SMR:	850-870 MHz
Cellular:	824-848 MHz
	868-896 MHz
ETACS:	872-905 MHz
	915-950 MHz
Paging:	145-165 MHz
	450-465 MHz
	928-941 MHz

SENSITIVITY

-118 to -30 dB \pm 1 dB (@ 10 kHz IF Bandwidth)

Adj. Chan. Rejection:

>45 dB @ 30 kHz

RECEIVER MODES

Single Channel

Multiple Channel (user selectable or sweep)

DATA AVERAGING

Temporal

Spatial

512 measurements/receiver/second

512 measurements/receiver/second

40 Lambda average (user selectable)

GENERAL SPECIFICATIONS

Dual Conversion:

83 MHz 1st IF, 455 kHz 2nd IF

IF Bandwidth:

4 kHz, 10 kHz, 25 kHz, 30 kHz, 50 kHz, 200 kHz (@ 6dB)

Stability:

\pm 2.5 PPM Temp range 32° to 120 F°

Phase Noise:

> 80 DBC/Hz @ 10 kHz

Antenna:

SMA 50 ohm

Controls:

20 button keypad

Warm Up Time:

< 3 minutes

Power:

Internal 10.8 Volt Li-ion battery (3.6 mA) run time 8 hours

12V jack for external power

USB Port:

12Mbits/s (1.5 Mbyte / sec)

GPS:

12-channel receiver

Weight:

7 lbs.

Dimensions:

3.5" H x 6" W x 7.75" L (water resistant, high impact ABS plastic case)

Approvals:

UL, CSA