

GAZELLE



QUAD RECEIVER SYSTEM

GAZELLE™ is a high performance, modular receiver system that utilizes a high speed bus containing up to 4 independent receiver modules all simultaneously logging the RF energy needed to plot out coverage maps. Gazelle™ is designed from the ground up to provide hot-swappable receiver modules for in-the-field installation and includes an internal 12-channel/satellite GPS receiver. Gazelle's unique, modular high-speed receivers exceed the distance based averaging required to meet 40 lambda criteria essential for critical propagation analysis. The Gazelle is a low-cost test system ideal for advanced pre-buildout drive-studies for optimizing WiMAX and LTE networks.



GSM

LTE

WiMAX

Cellular

ISM

AWS

PCS

WCS

FEATURES

- Multiple band support including WiMAX, LTE, GSM, LMR, PCS, ISM, WCS, ACS & more
- Quad modular receivers allow users to swap various bands while in the field
- High measurement rate over Dr. Lee's recommended 40 lambda
- Internal 12-channel/12 satellite GPS receiver with active antenna
- Custom user-created channel lists
- User selectable sampling rates and IF bandwidth
- Captured data output via USB and serial ports for connectivity to any PC
- Optional GPS-based mapping Forecaster™ PC software support



X4

Up to 4 Receivers Simultaneously

Call us today for more information:
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sales@bvsystems.com

**BERKELEY
VARITRONICS
SYSTEMS**
Clarifying RF
Providing wireless solutions for over 35 years.

GAZELLE



QUAD RECEIVER SYSTEM

FREQUENCY RANGE

Supports all RF bands (CW only) from 140 MHz to 5.85 GHz including:

ISM: 2.400-2.485 GHz

ISM: 900-930 MHz

PCS: 1850-1910, 1930-1995 MHz

LMR: 805-825, 850-870 MHz

Cellular: 824-848, 868-896 MHz

ETACS: 872-905, 915-950 MHz

Paging: 145-165, 450-465, 928-941 MHz

IVDS: 218-219 MHz

GENERAL SPECIFICATIONS

Sensitivity	CW, -118 to -30 dBm \pm 1 dB (@ 10 kHz IF Bandwidth)
IF Bandwidth:	4 kHz, 10 kHz, 12 kHz, 15 kHz, 20 kHz, 25 kHz
Adj. Chan. Rejection:	>45 dB
Dual Conversion:	83 MHz first IF, 455 kHz second IF
Stability:	\pm 0.25 PPM from 0 to 50 C
Phase Noise:	89 dBc @ 10 kHz offset, 120 dBc @ 100 kHz offset
Antenna:	SMA 50 ohms
Communication Ports:	RS-232, USB, RJ-45
Warm Up Time:	< 5 minutes
Power:	External 12-16 VDC @ 1000 mA or AC 110-240 VAC
Weight:	5 lbs. fully loaded
Dimensions:	4" H x 10" W x 12" L

INCLUDES

Antenna:	SMA (50 ohms)
DC Power Supply:	12 VDC @ 1000 mA
PC Software:	Windows XP 32, Vista 32 or Windows 7 32
GPS Receiver:	Internal 12-Channel/Satellite Differential GPS Navigation with active antenna

OPTIONS

Custom frequency bands available upon request