



SENTRY

Wireless Communications Collections Receiver

FEATURES

- Wireless network collection of GSM, CDMA, UMTS, and LTE (5G in 2024)
- Features 6 x 200 MHz tuners
- Frequency range of 75MHz - 6GHz
- Supports near-real-time operations and post-mission data offload
- Web-based user interface
- Automated Data Export Feature (Filesystem, FTP Server)
- Removable SSD for secure data exfiltration and sanitization

APPLICATIONS

- Cellular Survey
- Cellular Collection (Forward Only/Forward & Reverse)
- System can be used stand-alone or within a larger collections ecosystem

KIT CONTENTS

- SENTRY Receiver
- Ruggedized case
- SENTRY Power Adaptor
- 32GB USB 3.0 Recovery Flash Drive
- Low Band RF Magnetic Mount
- Low Band RF Antenna
- High Band RF/GPS Magnetic Mount
- High Band Band RF Antenna
- Ethernet Cable
- GPS Antenna



User Interface

DESCRIPTION

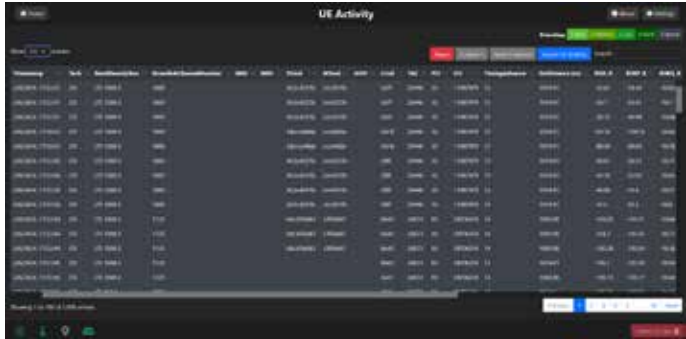
SENTRY is a strictly passive receiver, performing network survey, tuning to channels of interest, and collecting cellular data. The receiver houses all of the data until offloaded or retrieved by the user or by automated analytics systems. With 7TB of storage the receiver can capture millions of data records which allows for long term remote or unattended data collection. SENTRY provides coverage from 75MHz to 6GHz with the 6 x 200MHz tuner configuration, covering multiple bands (up to 11) simultaneously throughout the spectrum. Wireless technologies include GSM, CDMA, UMTS, and LTE (5G in 2024). SENTRY monitors and decodes Uplink (UL) and Downlink (DL) messages simultaneously, providing for soft geo-location of user equipment. One or more SENTRY receivers can be networked together to provide more precise location measurements. G3T receivers (SENTRY/SPOTTER) are interoperable and interchangeable within the G3T Collection & Analytics ecosystem. Additionally, adding G3T's Active network Characterization tools (HYDRA/TETLEY HANDY) enables more refined UE location.

SWaP

Size 5.125" H x 12.5" W x 16" L
Weight 20.6 lbs
Power 180 W, Input: 10-32 VDC

Radio Specifications

Tuners 6 x 200MHz
Freq Range 75 MHz - 6GHz
Storage 7 TB



User Interface

BANDS

- 2G/GSM - 850/900/1800/1900/
- 2G/CDMA - 450/850/1900
- 3G/UMTS - All commercially available UMTS bands
- 4G/LTE - All commercially available LTE bands
- 5G - All 5G NR FR1 bands (coming 2024)

Protocol Channel Count

GSM	128 DDC/ 128 Demod
CDMA	FWD Only - 18 Channels, 18 PN's, Max of 6 PN's per Channel FWD/REV - 9 Channels, 18 PN's, Max of 6 PN's per Channel
UMTS	FWD Only - 6 Channels, 9 PSC's, Max of 3 PSC's per Channel FWD/REV - 3 Channels, 6 PN's, Max of 3 PSC's per Channel
LTE	FWD Only - 16 Channels, 16 PCI's, Max of 4 PCI's per Channel FWD/REV - 8 Channels, 8 PCI's, Max of 4 PCI's per Channel



Front View



Back View

System specifications subject to change without notice, contact factory for current specifications.



For more details or questions contact: sales@g3ti.net | +1.410.290.8110

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