



## **Tetley Scanner**

### **Multi-function, Multi-band, Multi-mission Network Survey & Collection System**

#### **FEATURES**

- 8 independent 40 MHz Bandwidth 20-6000 MHz RF tuner channels
- Integrated processing for true Software Definable Radio (SDR) functionality
- Rogue base station detection/geo-location
- Built in RF Distribution to optimize multi-band coverage
- Web based GUI, functions as either local or remote probe
- Integrated GPS

#### **Cellular, PTT/DPTT, and AIS Scanning**

- Simultaneous Multi-band, Multi-format (2G/3G/4G/5G/802.11/PTT/DPTT) completely passive network survey solution (*\*5G FR2 available with TS OPT 001 from G3T pricelist*)
- Integrated base-station geolocation algorithms (2G/3G/4G/5G)
- Layer 3 logging and report generation
- AIS Maritime Safety Broadcast Network Scanning, Detection and Identification

#### **Software Defined Radio**

- Utilization of the 8 independent 40MHz RF channels
- Nominal 32 independent DDCs with variable bandwidths
- Dual SFP+ data outputs supports full bandwidth (320 MHz) data streaming
- Records wideband IQ from up to 2 RF channels (up to 80 MHz combined)

#### **Cellular and PTT/DPTT Collection (*\*\*available with TS OPT 002 from G3T pricelist*)**

- 2G full content collection on GSM (with Polly Tactical GSM Co-Processor) and CDMA
- 3G/4G/5G metadata collection
- PTT/DPTT (DMR/P25/P25P2/NXDN48/NXDN96/DSTAR/AM/FM) collection
- Enables 3G/4G/5G UE soft geo visualization (with SG50X Tactalytics)
- Enables MDN – STMSI correlation (with Tetley Hydra)

#### **KIT CONTENTS**

- Receiver Module
- Laptop Controller
- Multiple Antennas
- Power Cable Assemblies
- Rugged Transportation Case

#### **APPLICATIONS**

- Phase 0 Operational Preparation of the Environment (OPE), cellular and PTT/DPTT
- Force protection via rogue base- station detection
- Wideband IQ Recorder
- SDR for external software based signal processing suites
- Maritime Safety Network Scanning
- 2G-5G cellular collection\*\*
- DPTT collection\*\*

## DESCRIPTION

### **Discover Tetley Scanner: G3T's Cutting-Edge Cellular Survey Solution**

Tetley Scanner is a cornerstone of G3 Technologies' commitment to delivering innovative wireless solutions for government and commercial clients. Built on our core values and mission, this advanced multi-band scanner enhances our cellular survey capabilities with powerful new features. These include wideband (WB) IQ recording, simultaneous cellular and PTT/DPTT collection, rogue BTS detection and geo-location, and a streaming IQ data output interface—all integrated into a single, high-performance device.

### **Transformative Technology for Multi-Mission Success**

By pairing robust, optimized software with a state-of-the-art radio receiver, G3T has elevated Tetley Scanner into a multi-mission workhorse. Recent upgrades include an SFP+ interface, enabling seamless streaming of the entire radio bandwidth. This allows effortless integration with external software-based analysis tools, making it an ideal choice for professionals seeking reliable, real-time data processing.

### **Unmatched Cellular and PTT/DPTT Collection (\*\*available with TS OPT 002 from G3T pricelist)**

Tetley Scanner supports multiple FPGA profiles, offering industry-leading 2G-5G cellular collection alongside PTT/DPTT capabilities (including DMR, P25, P25P2, NXDN48, NXDN96, DSTAR, AM, and FM). Collected data can be streamed directly into G3T's SG50X analytics system. Designed, developed, and manufactured in-house, Tetley Scanner ensures top-tier quality and performance tailored to your needs.

### **Purpose-Built for Government and Commercial Missions**

Engineered to support mission-critical operations, Tetley Scanner eliminates the need for per-protocol software licenses, simplifying ownership for users. Whether you're a government agency conducting cellular surveys or a commercial entity seeking advanced wireless solutions, this purpose-built system delivers unmatched flexibility and efficiency.



## SPECIFICATIONS

	Size	Weight	Power
<b>SWAP Details</b>	16"L x 12.5"W x 5.125"H	21.6 lbs.	Low Power Mode: 120 W, High Power Mode: 180 W Input: 10 - 32 vDC
<b>Frequency Range</b>			20-6000 MHz
<b>Wireless</b>			GSM, GPRS, EDGE, CDMA2000, 1xRTT, EvDO, WCDMA, HSxPA, LTE, PTT, D-PTT, 5G NR and Wi-Fi
<b>Technologies</b>			

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



For more details or questions contact: [sales@g3ti.net](mailto:sales@g3ti.net) | +1.410.290.8110

G3 Technologies, Inc. | 10280 Old Columbia Road | Suite 260 | Columbia, MD 21046 | [www.g3ti.net](http://www.g3ti.net)