



Tetley Hydra

2G/3G/4G/5G Network Characterization and Non-Alerting Handset Stimulation

FEATURES

- Embedded Linux computer
- Web-based GUI
- Wireless access point for remote command and control
- Integrated Gigabit Ethernet port for wired access and control
- Front USB 3.0 port for convenient and rapid export of logs

KIT CONTENTS

- Custom fitted Pelican case
- Wi-Fi antenna
- 2x Tetley Handy Kits
- AC power supply
- DC power cable
- Ethernet cable

APPLICATIONS

- Advanced Cellular Network Characterization (with active SIM)
 - Multiple MNOs simultaneously
 - Multiple RATs simultaneously (of same MNO)
- Handset Characterization
 - Handset Stimulation
 - Handset Status



inside View

DESCRIPTION

Utilizing G3 Technologies’ proprietary Non-Alerting Techniques (NAT), the TETLEY HYDRA allows an operator to perform precise network characterization on cellular networks. The included Tetley Handy network survey handset(s), when equipped with a mobile network operators’ (MNO) SIM card, achieve accurate network measurements. Precision analysis of the networks allow the user to better place, task, and employ data gathering resources. For Law Enforcement (LE) users, the TETLEY HYDRA greatly enhances their ability to employ CALEA data, including Penlink.

By applying carefully planned and effective NATs, the timing of targeted updates is now in the users’ hands.

Because the system is utilizing G3Ts expertise in cellular technology via the Tetley Handy, users can rest assured all messaging and analysis is compliant with 3GPP’s specifications of 2G/GSM, 3G/UMTS, 4G/LTE, and the rapidly advancing 5G New Radio (NR) standards. Up to four Tetley Handy phones may be utilized to perform advance network characterization on different MNO’s simultaneously.

BANDS

5G

- BAND 1- FDD IMT 2100
- BAND 2- FDD PCS 1900
- BAND 5- FDD CLR 1800
- BAND 12 - FDD 700
- BAND 25 - FDD EPCS1900
- BAND 28 - FDD APT 700
- BAND 41 - TDD BRS 2500
- BAND 66 - FDD 17/2100 EAWS
- BAND 71 - FDD DD 600
- BAND 77 - TDD C 3700
- BAND 78 - TDD C 3500
- SA/NSA/SUB6

LTE

- BAND 1 - FDD IMT 2100
- BAND 2 - FDD PCS 1900
- BAND 3 - FDD DCS 1800
- BAND 4 - FDD AWS1 1700
- BAND 5 - FDD 850
- BAND 7 - FDD IMT-E 2600
- BAND 8 - ESGM 900
- BAND 28 - FDD APT 700
- BAND 40 - TDD S-BAND 2300

UMTS

- BAND 1 - 2100
- BAND 2 - 1900
- BAND 5 - 850
- BAND 8 - 900

GSM

- BAND 2 - PCS 1900
- BAND 3 - DCS 1800
- BAND 5 - PCS 850
- BAND 8 - EGSM 900



Front View



Back View

SPECIFICATIONS

SWAP Details

10.5”L x 17.0”W x 15.2”H 4 lbs.

Wide input DC supply range (10-28V)
 54.7W nominal, 109.5 Max with 4 Phones
 Max Current – 9.125A @ 12V

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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