



BlackLight 2R



2G / 3G / 4G / 5G Device Detection

BlackLight (BL) is the world's first crossover IMSI capture system for both TSCM and Tactical mission critical applications including live monitoring, vehicle mounting, meeting room protection or tactical mobile deployments.

Using dual SDR radios (stackable to make multiple radio systems), BL delivers native 2G / 3G / 4G / 5G detection, identification, tracking & manipulation for short range TSCM or long range Tactical tasks with additional power amps. BL also rapidly captures the IMSI / TIMSI / IMEI of all cellular devices within range.

BL can be used to live monitor high risk areas or meetings for cellular devices on a temporary or permanent basis. Functions also include: whitelisting / blacklisting, silent calls, SS7, GPS, SMS simultaneous denial of service to multiple devices.

Unique Features

- Force devices to specific cells
- Sort by RSSI / RAT
- Sort by Hit count / last seen
- Send / receive device SMS
- Extract GPS location
- Device auto hold / release
- Device battery drain
- TDD, Multi PLMN, 5G support
- TSCM / Tactical s/w & workflow
- Accredited training



LONDON

T: +44 207 205 2100
E: contact@qccglobal.com

SINGAPORE

T: +65 3163 7100
W: www.qccglobal.com





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Features

- ⦿ TSCM and Tactical applications
- ⦿ Control via ethernet / Wi-Fi using Phone / Tablet
- ⦿ GPS Mapping & SS7 Gateway access from box
- ⦿ Band Filtering– Full TDD & Multi PLMN
- ⦿ RF & Downlink Filtering– Full TDD & Multi PLMN
- ⦿ Record all IMSI / IMEI / TMSI info in range
- ⦿ Multiple search & display options
- ⦿ 2G / 3G / 4G Silent Call Functions
- ⦿ Hold or Release by default operation modes
- ⦿ Simultaneous multi-device denial of service
- ⦿ Selective jamming of target devices / channels
- ⦿ Send / Read captured device SMS messages
- ⦿ Alerts operator on a target IMSI / IMEI
- ⦿ Multiple location options on native 2G / 3G / 4G / 5G
- ⦿ Link units to make 4R / 6R / 8R Radio systems
- ⦿ Case options: Anodise / paint in various colours

Specifications 2R (4R is supplied as 2 x 2R)

- ⦿ Size: 260mm x 255 mm x 87 mm Weight: 5.2 Kg
- ⦿ RF output power up to: 10W 2G & 5W 3G / 4G
- ⦿ Master power adjustment & TDD Support
- ⦿ External power supply & External battery options
- ⦿ Supplied with external antenna combiners
- ⦿ Dual 400MHz - 3GHz SDR radios
- ⦿ Receiver Sensitivity: >-120 dBm
- ⦿ Internal batteries
- ⦿ 4 x SMA connectors for front antennas
- ⦿ 4 x SMA outputs to power amplifiers
- ⦿ SMA Inputs for Wi-Fi control & GPS
- ⦿ Wi-Fi and GPS modules built in
- ⦿ TSCM and Tactical software / workflow options
- ⦿ Various antenna options including body worn
- ⦿ Operating range: -1°C to 47°C, 12V DC, ~110W max
- ⦿ RF band pass filtered

About QCC

QCC was founded in 1999 by our current Directors and has grown to become by far the world's largest and most advanced counter-eavesdropping / TSCM company with unique proprietary equipment and capability unavailable from other providers plus full cyber, mobile phone and drone forensics capability.

We are serious about what we do, as a result our ISO accredited services have directly reduced our Clients risk exposure to espionage, information loss & security incidents in 102 countries to date.

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