



EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

IMSI Grabber Components

CATALOG



LEARN MORE:

<http://c4icomunication.com>

C4i-BPK

2G, 3G, 4G, 5G - FDD, TDD, LTE+

Our backpack and satchel bags are compatible with C4i-IG210 IMSI Grabber.

FEATURES

- Built in airflow for cooling.
- Covert high gain antennas allow for full RF power (up to 10 Watts).
- Run time of 3-5 hours with high power battery.
- Various bag styles available.
- Fully ruggedized version available.
- Rapid deployment.
- Wireless connection to Smart phone for system control.
- Rapid removal of SiG-IG210.
- Wi-Fi link to smart phone for covert control.
- Modem for Remote control available.



**Rapid Covert
Deployment**



Technical Specifications

Power :

Up to 10 W RF power per channel

Weight :

Less than 13kg

Batteries :

3+ hours operational time-over 600Watt available. Hot swappable wile system is running

Antennas :

Custom-made system to maximise IMSI Grabber RF power, up to 10 Watts per channel (using directional antennas to protect from RF)

Temp :

-10C to +65C

C4i-IG250

2G, 3G, 4G, 5G NS- FDD, TDD, LTE+

The C4i-IG250 is a high power IMSI Grabber, designed for vehicle or air platform deployment.



FEATURES

- Two (2) SDR Radios, **50-Watt power, Smart RF management.**
- **4 U Shock Proof Mil-Spec Rack mount** aluminum enclosure.
- **Connect multiple systems** together for increased Channel/Radio capacity.
- **High power amplifiers.**
- **Highly protected RF Filters** to allow for close antenna placement.
- **One (1) Antenna** per Channel/Radio.
- **Every Channel / Radio can do EVERY band including TDD.**

Technical Specifications

| | |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Protocols : GSM(2G), UMTS(3G), LTE, 5G FDD TDD,LTE+ | Radios : Two (2) SDR radios wide band |
| Bands : All bands between 700MHz and 2700MHz FDD and TDD on every radio | Size & Weight : 4u 19" Rack, 610 cm deep + External shock Proof enclosure, ~ 32Kg |
| RF : Up to 50W 2G, 30W 3G, 20W 4G per radio - wide band High sensitivity > -110 dbm | Built In : Wifi 2.4 and 5 Ghz Bluetooth, GPS receiver, 1x LAN |
| Power : Max : 1500 W Avg : 600-800 W AC and DC power options available | Start up from cold : Less than < 1.8 Minutes Temp : -10C to +65C |

Software for Android, Windows, Apple macOS and Linux. Built in offline mapping, **SS7** Geo Location Interface, IMSI to MSISDN interface. Our packages contain everything needed to be operationally ready, out of the box. Optional software features:

Full 2G/3G/4G/5G DF capability

C4i-IG205

2G, 3G, 4G, 5G - FDD, TDD, LTE+

The C4i-IG205 is a portable compact high power IMSI Grabber.



100Wh
3+ Hours operation time

FEATURES

- Two (2) SDR Radios, **2-Watt per Radio, Smart RF management.**
- **Highly compact** design.
- **Connect multiple systems** together for increased capacity.
- **High power amplifiers** available.
- **Upgradeable features** via software.

Technical Specifications

| | |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Protocols : GSM(2G), UMTS(3G), LTE, 5G FDD TDD,LTE+ (4G) | Radios : Two (2) SDR radios wide band auto expandable |
| Bands : All bands between 700MHz and 2700MHz | Size & Weight : 5 cm W x 16.5 cm D x 16 cm H/ 1.4Kg |
| RF : Up to 2W 2G, 1W 3G, 0.5W 4G per radio - wide band High sensitivity > -110 dBm | Built In : Wi-Fi 2.4 and 5 GHz Bluetooth, GPS receiver, 3x LAN |
| Power : Max : 50 W @ 12V Avg : 30-40 W @ 12V Idle : 20 W @ 12V | Extras : High power amplifiers Instant Connect SiG-IG202 for multi radio |
| Start from cold : less than < 1.8 Minutes | Temp : -10C to +65C |

Software for Android, Windows, Apple macOS and Linux. Built in offline mapping, SS7 Geo Location Interface, IMSI to MSISDN interface. Our packages contain everything needed to be operationally ready, out of the box. Optional software features:

Full 2G/3G/4G/5G DF capability

C4i-IG200

2G, 3G, 4G, 5G - FDD, TDD, LTE+

The C4i-IG200 is a portable compact IMSI Grabber.



100Wh
5+ Hours operation time

FEATURES

- Two (2) SDR Radios, **No amplification or filtering.**
- **Highly compact** design.
- **Connect multiple systems** together for increased capacity.
- **Simple system to make your own IG solution.**
- **Upgradeable features** via software.

Technical Specifications

| | |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Protocols : GSM(2G), UMTS(3G), LTE, 5G FDD TDD,LTE+ (4G) | Radios : Two (2) SDR radios wide band auto expandable |
| Bands : All bands between 700MHz and 2700MHz | Size & Weight : 5 cm W x 16.5 cm D x 16 cm H / 1.4Kg |
| RF : Up to -10dBm output power - Wide Band,High sensitivity > -110 dbm | Built In : Wi-Fi 2.4 and 5 GHz Bluetooth, GPS receiver, 3x LAN |
| Power : Max : 50 W @ 12V Avg : 30-40 W @ 12V Idle : 20 W @ 12V | Extras : High power amplifiers and radio Front Ends Instant Connect SiG-IG200 for multi radio |
| Start from cold : less than < 1.8 Minutes | Temp : -10C to +65C |

Software for Android, Windows, Apple macOS and Linux. Built in offline mapping, SS7 Geo Location Interface, IMSI to MSISDN interface. Our packages contain everything needed to be operationally ready, out of the box. Optional software features:

Full 2G/3G/4G/5G DF capability

C4i-IG Software

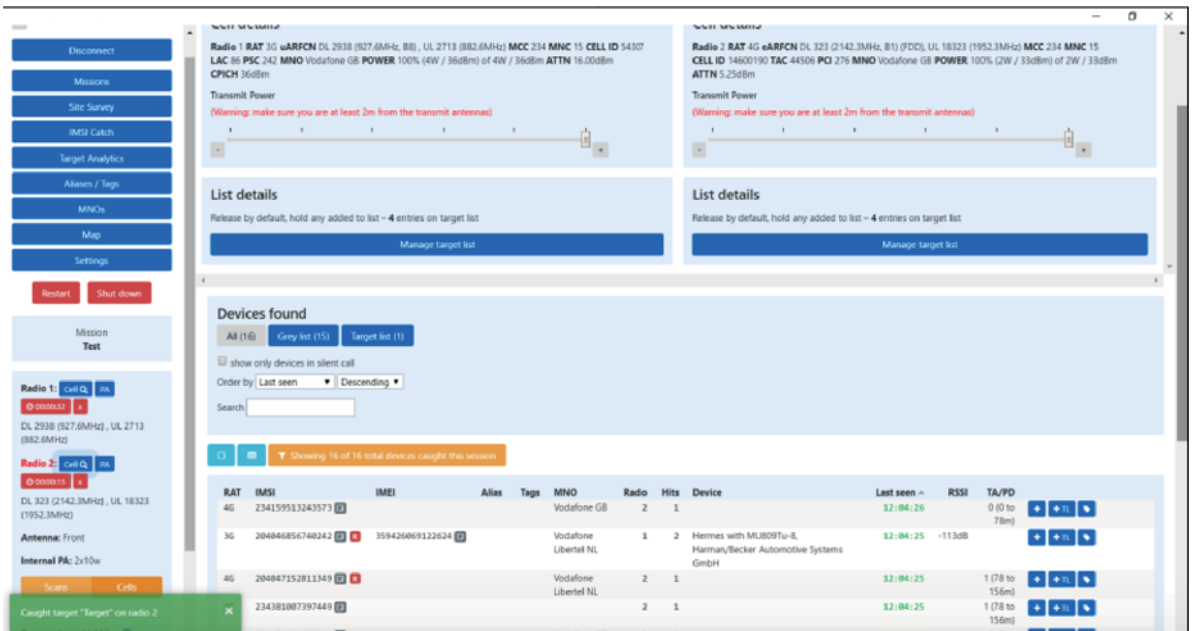
Simple User Interface

The IG software has been designed for the tactical operator, easy to navigate and limited training required to be fully operational. The software is used throughout the C4i-IG range, Simple and intuitive software for Windows, macOS (OSX) and Android.

Technical Data

- Local Network survey** - Fast scanning for survey data, all band available
- Aliases & Tags** - Easy to **Add, Edit & Delete** targets and friendly devices
- Direction finding** - Silent Call 2,3 & 4G, graph & mapping to assist with DF
- IMSI Grab** - Fast IMSI capture and processing
- Target Analytics** - All Mission data is stored and can be exported for analysis
- Redirection** - Downgrading available on all Rats

- Tactical control (windows, Android).
- Compatible with computer, laptop, tablet or smartphone.
- Full GSMA Database to identify every phones make and model.
- Updated quarterly.



C4i-IG Software

Network Survey

Found 19 Cells

| MNO (23410) | ARFCN | RSSI - | Freq/Band | CellID | TAC | PCI |
|------------------|-------|--------|------------------|---------|-------|-----|
| O2 GB | 6400 | -54.81 | 816.0 / B20(FDD) | 1727472 | 50321 | 276 |
| MNO (23415) | ARFCN | RSSI - | Freq/Band | CellID | TAC | PCI |
| Vodafone GB | 6300 | -48.07 | 806.0 / B20(FDD) | 1727312 | 57378 | 276 |
| MNO (23420) | ARFCN | RSSI - | Freq/Band | CellID | TAC | PCI |
| Hutchinson 3G GB | 1392 | -53.98 | 1824.2 / B3(FDD) | 731168 | 3459 | 82 |
| Hutchinson 3G GB | 6175 | -62.81 | 793.5 / B20(FDD) | 731264 | 7090 | 318 |
| Hutchinson 3G GB | 6175 | -65.15 | 793.5 / B20(FDD) | 2511232 | 7090 | 423 |
| MNO (23430) | ARFCN | RSSI - | Freq/Band | CellID | TAC | PCI |
| EE/T-Mobile GB | 1817 | -55.43 | 1846.7 / B3(FDD) | 6758668 | 11611 | 377 |
| EE/T-Mobile GB | 1817 | -57.70 | 1846.7 / B3(FDD) | 8249344 | 11611 | 201 |
| EE/T-Mobile GB | 1761 | -57.89 | 1861.1 / B3(FDD) | 6758736 | 11611 | 377 |
| EE/T-Mobile GB | 1761 | -59.49 | 1861.1 / B3(FDD) | 7679604 | 11611 | 182 |
| EE/T-Mobile GB | 3179 | -64.52 | 2662.9 / B7(FDD) | 6758832 | 11611 | 377 |
| EE/T-Mobile GB | 3350 | -67.33 | 2680.0 / B7(FDD) | 6758784 | 11611 | 377 |
| EE/T-Mobile GB | 3350 | -69.99 | 2680.0 / B7(FDD) | 8249440 | 11611 | 201 |
| MNO (23432) | ARFCN | RSSI - | Freq/Band | CellID | TAC | PCI |
| EE/T-Mobile GB | 1817 | -55.43 | 1846.7 / B3(FDD) | 6758668 | 11611 | 377 |
| EE/T-Mobile GB | 1817 | -57.70 | 1846.7 / B3(FDD) | 8249344 | 11611 | 201 |
| EE/T-Mobile GB | 1761 | -57.89 | 1861.1 / B3(FDD) | 6758736 | 11611 | 377 |
| EE/T-Mobile GB | 1761 | -59.49 | 1861.1 / B3(FDD) | 7679604 | 11611 | 182 |
| EE/T-Mobile GB | 3179 | -64.52 | 2662.9 / B7(FDD) | 6758832 | 11611 | 377 |
| EE/T-Mobile GB | 3350 | -67.33 | 2680.0 / B7(FDD) | 6758784 | 11611 | 377 |
| EE/T-Mobile GB | 3350 | -69.99 | 2680.0 / B7(FDD) | 8249440 | 11611 | 201 |

- Fast Network survey.
- Full network or selected Rats.
- Add or edit bands.

- **Identifies :**
 - + Mobile Network operator.
 - + ARFCN - Channel Number.
 - + RSSI - Signal Strength.
 - + Frequency & Band.
 - + Cell ID.
 - + LAC/TAC.
 - + PCI - Scrambling Code.

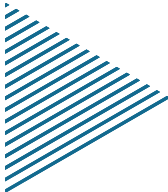
- Strong cells identified and highlighted.
- Optimum Cell parameters automatically calculated.
- Easy to edit or create cell parameters.

2G Survey - 17 Oct 2019 17:38:56 - Found 23 Cells

Vodafone GB | O2 GB | EE/T-Mobile GB

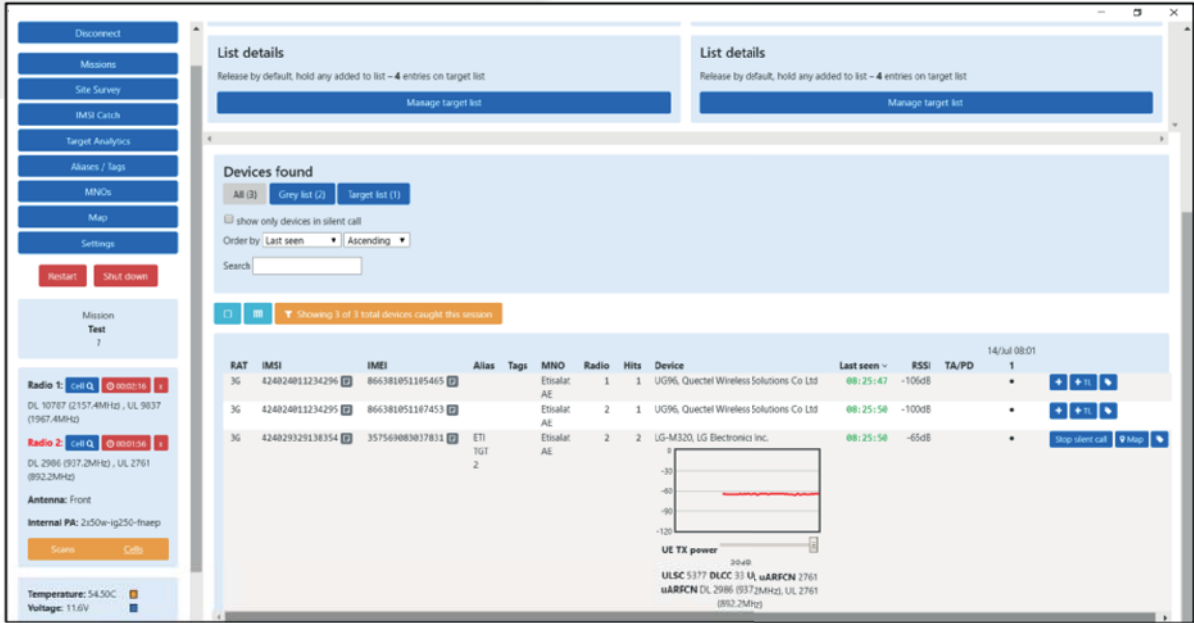
Survey shows strong cell location

| Operator | ARFCN | RSSI - | Freq | CellID | LAC |
|--------------------------------|-------|---------|-------|--------|-------|
| <input type="checkbox"/> O2 GB | 114 | -84.55 | 957.8 | 20477 | 21580 |
| <input type="checkbox"/> O2 GB | 118 | -89.43 | 958.6 | 14512 | 21580 |
| <input type="checkbox"/> O2 GB | 105 | -93.73 | 956.0 | 23319 | 21580 |
| <input type="checkbox"/> O2 GB | 102 | -94.57 | 955.4 | 10154 | 21579 |
| <input type="checkbox"/> O2 GB | 103 | -94.98 | 955.6 | 10125 | 21580 |
| <input type="checkbox"/> O2 GB | 108 | -101.73 | 956.6 | 11402 | 21580 |



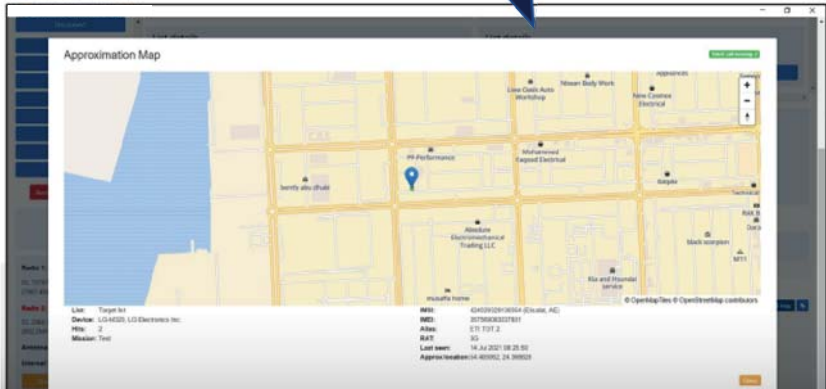
C4i-IG Software

Silent Call & Direction Finding



Offline Mapping GEO mapping

- Silent call graph to assist with initial direction finding to the target device.
- Offline mapping gives **approximate location** of target device.
- Fast and easy silent call procedure.
- Silent call and direction finding on all RATS.
- Fast downgrade procedure.
- Historic data review.



C4i-MITM2

Active GSM Interception - Voice SMS

The **C4i-MITM2** is intended for government law enforcement agencies to separate targets from other subscribers and collect all their incoming and outgoing voice calls, text messages (SMS), identifiers and information about their activity.

Technical Data

Deciphering & Clone unit - Can be Integrated to all SIG IG range

State-of-the-art SDR technology with multichannel architecture

Restricting certain targeted mobile stations from obtaining services (voice call, SMS, data)

Support of A5/1, A5/2 and A5/3 encryption

Interception - Real-time mode of both uplink and downlink

Local or remote connection to the deciphering unit

Target communication manipulation - Block, redirect or change information to/from the target. Change SMS content, voice call manipulation

Sending SMS and making calls to the target from the GUI of the system

Software package includes wide capabilities for analysing the intercepted data

Grabbing the cellular subscriber's identifiers and saving them to a database

Operation modes

- IMSI / IMEI catcher.
- Target presence detector.
- Target location finder.
- **Voice and SMS interception** system.
- Local GSM network.
- High Power and Compact system.
- Full **Backpack Solution**.



Can be Integrated with all
SiG-IG Systems

C4i-MiTM2-DU

A5.1 Decipher Unit

The **C4i-SIG-MiTM2-DU** is a decipher unit for calculating keys for the A5.1 GSM encryption standard.

It does this efficiently by looking up key from its database and calculating where required.

Technical Data

Deciphering-A5.1 Algorithm

State-of-the-art SSD large storage and FPGA for fast calculating

Success rate over 95% - High success rate in finding key

Speed-80KC per second

Connection-Ethernet and Internet

Power Consumption 50Watts - 9-36 Volt

Weight: 3 Kg



C4i-MiTM2-Clone

MiTM2G Clone Units

The **C4i-SiG-MiTM2-Clone** come in sets of two (2) clones per module. 4-8 clones are a common configuration.

Each clone can manage one (1) call, 4 Clone = 4 concurrent calls.

Fully integrated into the MiTM2G solution.

Technical Data

Clones-Support Band 850/900/1800/1900 MHz

Integrated into MiTM2G

Connection - Ethernet and Internet

Power Consumption 25 Watts-9-36 Volt (depends on clone qty)

Weight: 1 Kg (depends on clone qty)

C4i-HHDF

Handheld Direction Finder

A unique 2G/3G/4G direction finder, ability to monitor the silent call created by the SIG IMSI Grabber.

- **Unique compass** for guidance to target.
- Operating distance from **0 to 1 km** in rural area and open area further depending on antennas.
- **0.5 m accuracy** when finding position of a cellular phones.
- **Visual/audio alarm** modes.
- **Small, lightweight** and portable.
- Directional antennas and **body antennas** makes the operation easy and efficient.
- Android application can control the unit via any Android smart phone.



Technical Specifications

Operating Frequencies:

GSM: 850/900/1800/1900 MHz
(EGSM/DCS/PCS)
UMTS: 850/900/1700/1900/2100 MHz
LTE: all bands

Operating Distance:

0.5m-1 km, based on environment

Gain Control:

60 to +15 dB

Antenna:

Directional, body-worn, SMA connector

Audio Indication:

Wired and Bluetooth headset/headphones

Size & Weight:

Aluminum, 10.5 cm x 6 cm x 2.5 cm, 190 g

Power:

DC 5 Volt, built-in battery, 5 hours operational time

C4i-HHDF

Handheld Direction Finder

A unique 2G/3G/4G direction finder, ability to monitor the silent call created by the C4i-SiG-IG210 IMSI Grabber.

- Operating distance from **0 to 1 km** in rural area and open area further depending on antennas.
- **0.5 m accuracy** when finding position of a cellular phones.
- **Visual/audio alarm** modes.
- **Small, lightweight** and portable.
- Directional antennas and **body antennas** makes the operation easy and efficient.
- Android application can control the unit via any Android smart phone.
- FM link for vehicle Radio connection.



Technical Specifications

Operating Frequencies:

GSM: 850/900/1800/1900 MHz
(EGSM/DCS/PCS)
UMTS: 850/900/1700/1900/2100 MHz
LTE: all bands

Operating Distance:

0.5m-1 km, based on environment

Gain Control:

60 to +15 dB

Antenna:

Directional, body-worn, SMA connector

Audio Indication:

Wired and Bluetooth headset/headphones

Size & Weight:

Aluminum, 10.5 cm x 6 cm x 2.5 cm, 190 g

Power:

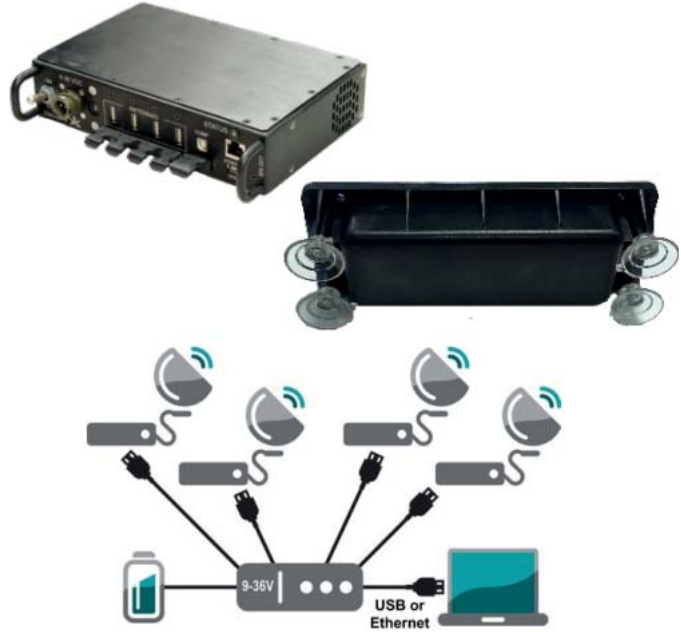
DC 5 Volt, built-in battery, 5 hours operational time

C4i-VDF-RSSI

Vehicle Direction Finder

A unique 2G/3G/4G direction finder, ability to monitor the silent call created by the IG IMSI Grabber Systems. RSSI Signal Based.

- Localisation on the Move.
- Rapid Deployment in any Vehicle.
- Operating distance from **0 to 1 km** in rural area and open area further depending on antennas.
- **0.5 m accuracy** when finding position of a cellular phones.
- **Visual/audio alarm** modes.
- **Small, lightweight** and portable.
- Phased Array Antenna System.



Can be in same vehicle as IG system.



Technical Specifications

Operating Frequencies:

GSM, UMTS, LTE- 2/3/4G-FDD and TDD
iDEN, CDMA, Direct Frequency 300-270MHz

Operating Distance:

0.5m-1 km, based on environment

Gain Control:

VisaSoftware managed

Antenna:

Vehicle Based Phased Array antenna system

Location Indication:

Offline Mapping on Laptop

Size & Weight:

Aluminum, 17.9 cm x 18.7 cm x 4 cm, 1.31Kg + 4X
Antenna modules

Power:

DC 9-36 Volt, 15W Typical

C4i-VDF-G300

Vehicle Direction Finder

A unique 2G/3G/4G direction finder, ability to monitor the silent call created by the IG IMSI Grabber Systems.

- Localisation on the Move.
- Advanced Localization Algorithms.
- Operating distance from **0 to 1 km** in rural area and open area further depending on antennas.
- **0.5 m accuracy** when finding position of a cellular phones.
- **Visual/audio alarm** modes.
- **Small, lightweight**, portable and rapid deployable.
- Phased Array Antenna System.

Requires a separate vehicle to the IG system.

Requires a OBDII vehicle Interface.



Technical Specifications

Operating Frequencies:

GSM. UMTS. LTE- 2/3/4G

Operating Distance:

0.5m-1 km, based on environment

Gain Control:

VisaSoftware managed

Antenna:

Vehicle Based Phased Array antenna system

Location Indication:

Offline Mapping on Laptop - Elevation support

Size & Weight:

Aluminum, 17.9 cm x 18.7 cm x 4 cm, 1.31Kg

Power:

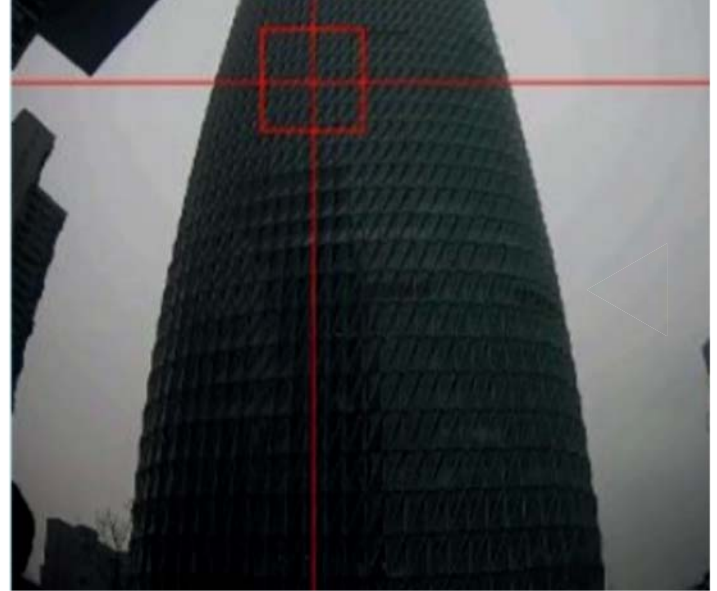
DC 12 Volt, 15W Typical - Peak 20W

C4i-VDF-VIDEO

Smart Visual Direction Finder - Built in Video Camera

Portable and vehicle based direction finder solution which combines direction finder RF and video camera for target identification and tracking.

Used in backpack and in vehicle (one panel in each direction).



FEATURES

- 2G (GSM), 3G (WCDMA/UMTS), 4G (LTD TDD and FDD) supported.
- Standby for 4hrs operational time.
- Working range 1 to 500 meters.
- Weight less than 1.5 Kg.
- Controlled via laptop or android smart phone.
- Accuracy +/-2 meters at 100 meters distance.
- Size per panel 35 cm x 31 cm x 6.8 cm.

C4i-WBC4

Wi-Fi/Bluetooth / 2G, 3G, 4G, 5G-Detect, Identify and Locate

The C4i-WBC4 is a portable detection unit for **Wi-Fi, Bluetooth and 2G, 3G, 4G, 5G Signals** - with full direction-finding capability.

Detect
WIFI & Bluetooth Activity



FEATURES

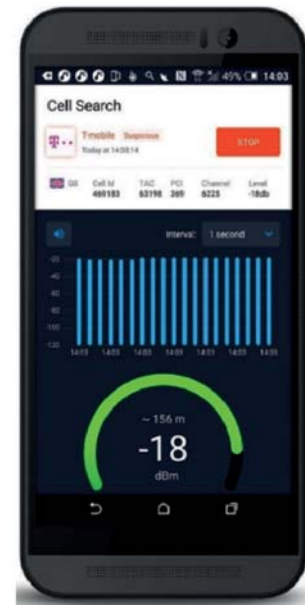
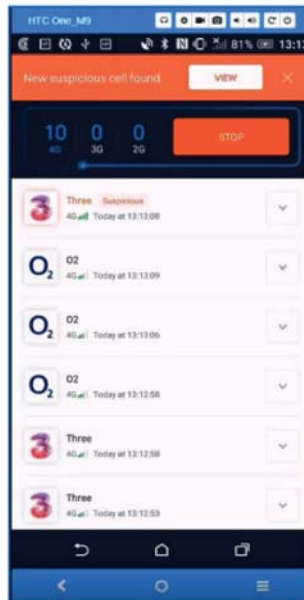
- **Wi-Fi 2.4 and 5 GHz detection** of access points and Wi-Fi enabled devices.
- Display of relationship between access point and device.
- Direction finding capabilities for Wi-Fi Access points and Wi-Fi enabled devices for both 2.4 and 5 GHz.
- Wi-Fi 6 Supported.
- Ability to force disconnect of Wi-Fi enabled devices from their access points.
- Ability to increase communication of Wi-Fi enabled devices for direction finding.
- Unique **Wide Band Bluetooth Receiver** and Transmitter.
- Discover Connected and Unconnected Bluetooth devices.
- Discover Low Power Bluetooth devices.
- Discover paired and unpaired Bluetooth devices.
- Bluetooth direction finding of devices. Target lists can be created for Wi Fi and Bluetooth devices.
- Offline desktop application for managing and reviewing results.
- Directional and omni antennas supplied for Wi-Fi.
- Optional 2G/3G (**Uplink Scrambling Code** and RSSI)/4G/5G Direction finder module.

C4i-FCI10

2G, 3G, 4G, 5G-FDD & TDD - Fake Cell Identification

Most portable and covert fake cell identification solution on the market.

- Covering all bands for 2/3/4G/5G.
- Full direction find capability to find the fake cells.
- Very easy to use software, passive **cannot be detected.**
- **Central control and command** network software available.
- **Range up to 2km.**
- Phone functions as normal Smart phone.
- Rapid and clear notification of found fake cells.
- Audio alerts for covert direction finding of fake cells.



Technical Specifications

| | |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Protocols : GSM(2G), UMTS(3G), LTE, FDD TDD, (4G) 5G | Device: HTC m9 one |
| Bands : All bands supported by device, EU and US model available | Size & Weight : 145 mm H x 70mm W x 9.7 mm O, 157 grams (without case) |
| RF : High Sensitivity > -110 dBm | Built In : Wi-Fi 2.4 and 5 Ghz Bluetooth, GPS receiver, |
| Power : Built in battery, 2-3 hrs operational time | Extras: Central command platform available |

C4i-FCI60

2G, 3G, 4G, 5G - FDD & TDD - Radio Front End



Multi function, multi channel, software defined radio platform

- Fake cell Identification.
- 2G/3G/ 4G/5G LTE FDD TDD IMSI Grabber option.

FEATURES

- Six (6) Channel fake cell Identification module.
- Each radio is independently controlled.
- Rapid processing over multiple bands and operators at once.
- Direction find fake cells via multiple system.
- Smart City integration.
- Fixed or portable (vehicle mounted).
- Increased sensitivity for long range application.
- 19" Rackmount
- 2U height
- 40 cm deep (+handles)
- Expandable with up to 24 Radios
- Flexible Radio Front Ends (for IMSI grabbing)
- Low power consumption (<120W)
- Rugged design and build
- Full tactical usage
- Infrastructure deployment via Central Command

C4i-FCICC

Fake Cell Identification Command and Control

Cloud based or locally deployed platform for controlling and managing all FCI devices in operation.

Teams can be managed and alerts send on discovery of a fake cell in near real time.

| Created | RAT | Channel | Operators | BSIC/SC/PC | CellID | LAC/TAC |
|------------------|------|---------|--------------|------------|----------|---------|
| 2019/02/17 23:03 | UMTS | 10612 | Three(GB) | 487 | 14209386 | 123 |
| 2019/02/17 23:03 | UMTS | 10588 | Three(GB) | 102 | 14086813 | 121 |
| 2019/02/17 23:03 | UMTS | 10564 | Three(GB) | 102 | 14054167 | 121 |
| 2019/02/17 23:03 | GSM | 670 | T-mobile(GB) | 3:2 | 63288 | 2562 |
| 2019/02/17 23:03 | GSM | 115 | O2(GB) | 4:0 | 35294 | 21415 |
| 2019/02/17 23:03 | GSM | 113 | O2(GB) | 1:5 | 12953 | 21415 |
| 2019/02/17 23:03 | GSM | 85 | Vodafone(GB) | 7:3 | 31601 | 171 |
| 2019/02/17 23:03 | GSM | 103 | O2(GB) | 6:2 | 34026 | 21415 |
| 2019/02/17 23:03 | GSM | 86 | Vodafone(GB) | 5:5 | 22094 | 50 |
| 2019/02/17 23:03 | GSM | 81 | Vodafone(GB) | 4:1 | 65481 | 50 |

FEATURES

- Simple to operate.
- Mapping of all FCI devices.
- Instant alerting via SMS, eMail & API.
- Local deployment available.
- Ability to manage many 1000's.
- Instant results.
- API for integrations.
- Mobile friendly

| Created | Device | RAT | Operators | Cell | Last Reason | Last Seen |
|------------------|--------|------|-----------|-------------------------------------------------|-------------------------------|------------------|
| 2019/02/17 23:03 | Test1 | UMTS | Three(GB) | Channel 10612, CellID 14209386, LAC 123, SC 487 | Not enough GSM neighbors 0<1; | 2018/11/21 09:25 |
| 2019/02/17 23:03 | Test1 | UMTS | Three(GB) | Channel 10588, CellID 14086813, LAC 121, SC 102 | Not enough GSM neighbors 0<1; | 2018/11/21 09:25 |
| 2019/02/17 23:03 | Test1 | UMTS | Three(GB) | Channel 10564, CellID 14054167, LAC 121, SC 102 | Not enough GSM neighbors 0<1; | 2018/11/21 09:25 |
| 2019/02/17 23:03 | Test1 | UMTS | Three(GB) | Channel 10612, CellID 14159462, LAC 123, SC 339 | Not enough GSM neighbors 0<1; | 2018/11/21 09:25 |

C4i-VKIT

Full Turnkey Vehicle Fitting in Country

Vehicle fitting is provided as a service. Our trained mechanical engineers will prepare and fit the whole solution in country.

You just need to provide the vehicle.



FEATURES

- Unique installation process, specific to each product.
- Covert antenna system.
- Multi channel solutions.
- High power amplifiers.
- Battery management and charging system.
- In vehicle antenna.
- Command and control platform.
- Optional data uplink 50+ mbps are available.
- Air-conditioning options available.
- 8+ Hours operational time available (based on battery configuration).





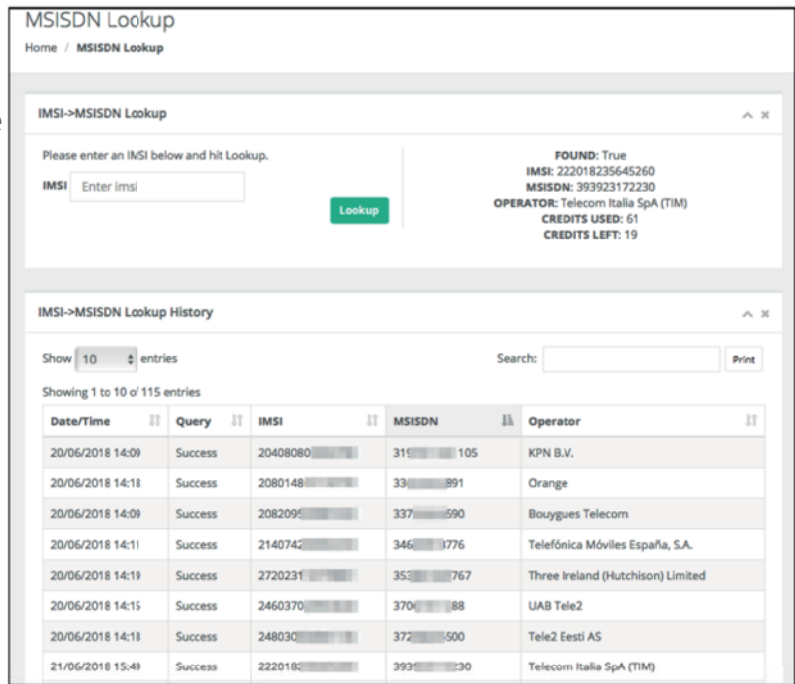
C4i-I2M

IMSI to MSISDN Platform

Cloud based platform for converting IMSI to MSISDN (phone numbers), world-wide coverage.

Simple credit-based system, software API available.

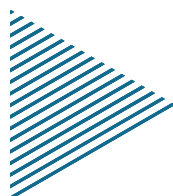
Anonymous and secure by design.



FEATURES

- Simple credit-based system.
- World-wide coverage.
- IMSI to MSISDN.
- Local deployment available.
- Mass conversion 10,000s of IMSI.
- Instant results.
- API for integrations.
- Compatible with IMSI Grabber.

| Date/Time | Query | IMSI | MSISDN | Country | Operator |
|------------------|---------|-----------------|--------------|---------|----------|
| 2018/07/06 15:20 | Success | 525058131861987 | 6598578245 | SG | StarHub |
| 2018/07/06 10:48 | Success | 424021444314693 | 971504406788 | AE | Etisalat |
| 2018/07/06 10:23 | Success | 525016105237357 | 6596687908 | SG | SingTel |
| 2018/07/06 08:07 | Success | 525016118723253 | 6597779448 | SG | SingTel |
| 2018/07/06 07:38 | Success | 525058131861987 | 6598578245 | SG | StarHub |
| 2018/07/06 07:29 | Success | 525034375987828 | 6592263408 | SG | M1 |



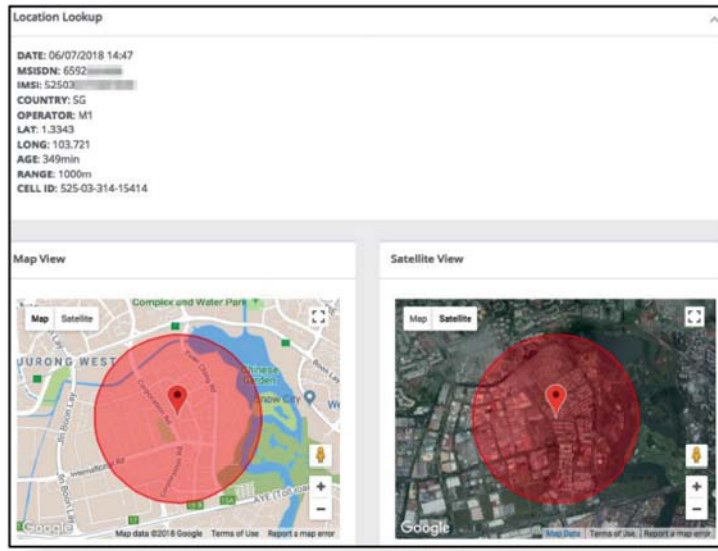
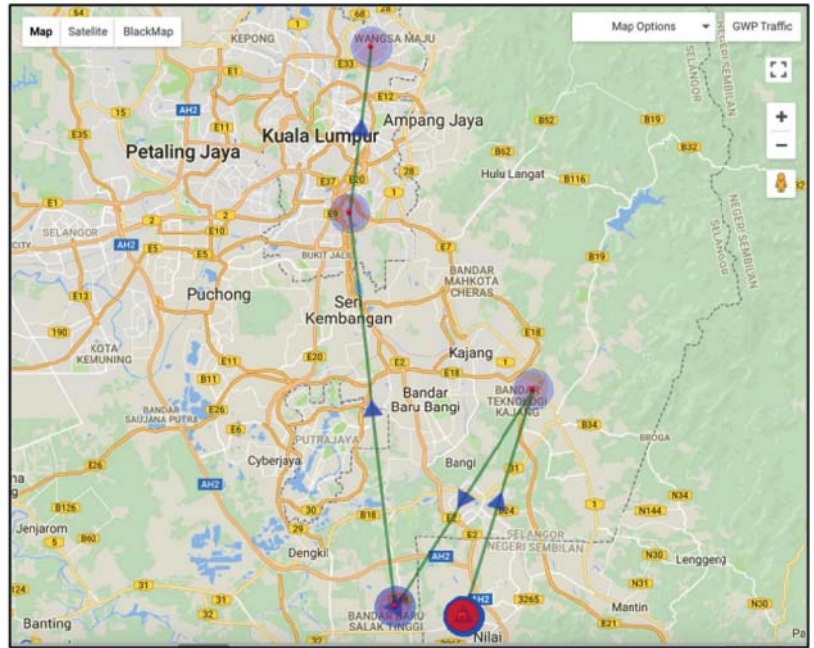
C4i-GEO

SS7 GEO Location Platform - Local Deployment

Cloud based and local deployable platform for running GEO Location SS7 queries via local MNO.

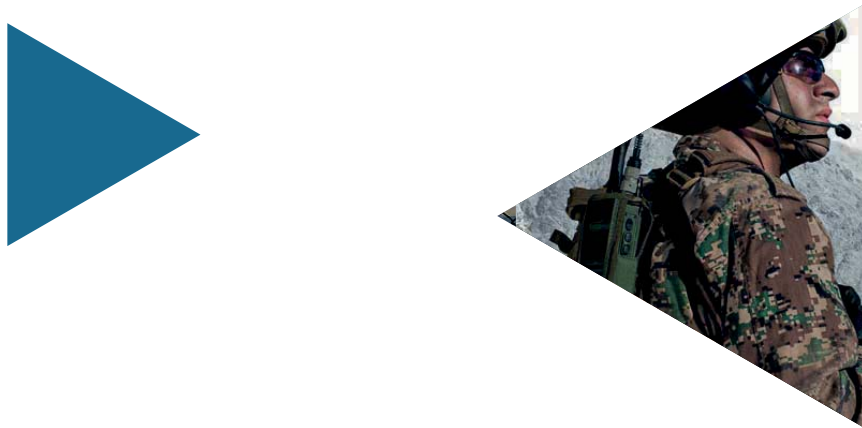
Simple to deploy.

Free to trial.



FEATURES

- Rapid deployment.
- 100 % private.
- Local deployment.
- Auto Tracking.
- Geo Fencing.
- SLMC for GPS accuracy.
- Intuitive web-based platform.



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