

## Compact and Un-attended Remote Measurement Equipment



### INDOOR

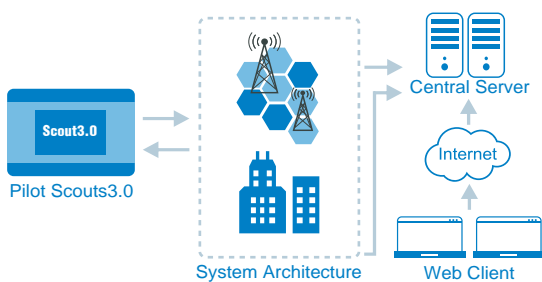


### OUTDOOR



Pilot Scout 3.0 is DingLi's most portable market leading multi-technology remote test equipment. It is designed from the ground-up to cater especially for demanding 4G LTE test requirements. It comes with high-performance CPU and built-in high-sensitivity GPS chipset. The equipment is compact and highly stable, suited for remote automatic testing particularly in locations with small installation spaces and large-scale deployment.

Pilot Scout 3.0 runs on the Linux operating system. Embedded modules are designed so that the test equipment is stable and ready for testing as soon as it is powered on, for operational efficiency. Pilot Scout 3.0 is remotely managed by the Pilot Fleet Unify system. This would allow the user to manage test plans, monitor and control test services easily in real time, and anywhere with internet access. The real-time measurement data upload to Pilot Fleet Unify server, automated processing and reporting capabilities significantly improves the overall operational efficiency.



Item	Details
Test	2 channels test + 1 channel Modem (upload data files simultaneously + 2 external handsets (support simultaneous tests)
GPS	GPS/GNSS/BEIDOU; built-in/ external antenna is optional.
WIFI/Bluetooth	IEEE 802.11b/g/n/ac, 2.4G/5G dual optional band Bluetooth4.0
Antenna	Built-in multi-channel and multi-band antenna; supports MIMO (4*4 antennas for test channel and 2*2 antennas for Modem)
Input Voltage	10~30V, 2A
Power Consumption	9W (typ.), 18W (max.)
Expanded Interfaces	Two external USB 2.0 ports which are used to connect Scout to test mobiles or other devices and a HD voice interface
Operating/ Storage Temperature	-20 °C to +50 °C /-45 °C to +85 °C
Storage Temperature	-45 °C to +85 °C
Dimensions and Weight	198*130*29.5mm, approximately 900g
Built-in UPS	<ul style="list-style-type: none"> <li>Rated Voltage: 7.4 V</li> <li>Rated Capacity: 2000 mAh</li> <li>Power duration: 90~120 minutes</li> </ul>
Storage Capacity	16GB/32GB
Display Screen and Key	OLED screen to display the test and system status in real time; touch key

## Product Values

### Network Operators, System Vendors and Service Providers

- Cost efficient solution suitable for large scale deployment
- Minimize operational resource with remote test and configuration
- Improves operational and data analysis efficiency

### Test Engineer

- Testing begins soon after the device is powered on; no further settings are required
- Remote administration for a more convenient and rapid test
- Stable device for long-lasting failure-free operation

## Product Features

### Release Highlights

- Ping during VoLTE test
- LTE EARFCN and PCI lock with test modules (i.e. BM810, QL850 and QL900)
- Up-to 2 external terminals connection and testing (for OTT app test or MOS test)
- Upgraded WALK-L3 gyroscope
- SMS E2E testing
- Random call time
- Control test by selected region
- Control test with GPS status
- New test services (OTT app tests, i.e. Skype, Instagram, Facebook, WhatsApp, and YouTube with Samsung handsets and Mult-HTTP Download and Email)
- New test module (BM810)

### Remote Management

Based on Pilot Fleet Unify Web's remote management capability, Pilot Scout 3.0 is supported through remote and centralized test plan configuration and execution, real-time device monitoring, statistics reports, exception location, and device firmware upgrade.

### Automatic Fault Management

Multi levels of intelligent protection mechanism including hardware and software that allows the device to smoothly operate over long duration of time. Through these intelligent diagnostics, the device may automatically resume normal operation upon performing the necessary error correction.

### Self Contained Integrated Design

Pilot Scout 3.0 supports built-in antennas, 2 channel LTE-CA test, 2 channel MOS test and external USB terminal. Supported smartphone devices (from Samsung and Vivo) can be connected via the allocated USB ports for voice and data test.

### Real Time Data Upload to Pilot Fleet Unify Server

Pilot Scout 3.0 supports real-time and complete data upload to Pilot Fleet Unify server with the built-in wireless modem.

It will also resume data transmission from the last known failure point to save on re-transmission time and data resource.

### Test Environment and Scenarios

- Pilot Scout 3.0 is applicable for both outdoor (can be positioned in buses, taxis, trains, ships, etc.) and indoor (stationary hotspots such as hotels, shopping malls, residential, offices, etc.) test environment.
- Automatic indoor positioning test with "WALK" portable indoor gyroscope device
- Streaming and OTT app tests (Skype, Instagram, Facebook, WhatsApp, and YouTube) with Samsung handsets

### Real-Time Monitoring of Test Status

Users may monitor real-time radio parameters, events, GPS measurement routes, exceptions, device online status and test duration through Pilot Fleet Unify.

## **Durable Operation with Built-in and External Batteries**

Pilot Scout 3.0 may continuously function up-to 90 minutes with a built-in battery (e.g. based on result from the 2 channel MO/MT test) or at least 10 hours with an external battery.

## **Multiple Network Technologies and Services Supported**

Pilot Scout 3.0 supports 2G/3G/LTE/LTE-A Pro/LTE-IoT network technologies and multiple service tests, which include voice, data, and value-added service tests, OTT applications, OpenSignal, LTE-CA (2CC, 3CC), EVDO/LTE interoperation, PESQ and POLQA. Its advanced modular design and flexible module configuration allows user' s customization requirements to be met.

## **Test Status monitoring with Pilot Watcher**

Pilot Watcher tablet can be connected to Pilot Scout through WiFi hotspot created from Pilot Scout for real-time monitoring.

- Monitors events, network parameters, and measurement routes with GPS positioning.
- Displays Pilot Scout current measurement information, edit and update the test plans.
- Connects the WiFi shared by Pilot Scout 3.0.