



Echo Scanbox Pro

A high-speed scanner for NR, LTE, UMTS,
and GSM mobile network scanning



Echo Scanbox Pro multi-technology scanner



Simple and cost-efficient. No software options; all features are built-in and included.

High speed. Sample interval of less than one second with configurations covering tens of bands on multiple technologies.

Small and lightweight. Half the size, and fraction of the weight of a traditional scanner.

Low power consumption. 5 days operation with an off-the-shelf USB power bank. No heating issues.

No calibration required.

Effortless swap repair. Replacement for a defective hardware with an equivalent new hardware.

Echo Scanbox Pro datasheet

Item	Specs
Control	Echo One or Echo Plus. Connection controlled via BlueTooth.
Measurement modes	GSM, WCDMA, LTE, NR. Possible configurations: 1. 5G 2 bands, 2G-4G all bands 2. 5G 3 bands, all bands from 2G and 1 other technology 3. 5G 4 bands, all bands from 2G
Metrics	GSM: ARFCN, BSIC, RxLev, RxQual, Cell-ID, MCC/MNC UMTS: UARFCN, Scrambling code, RSCP, RSSI, Cell-ID, MCC/MNC LTE: EARFCN, PCI, LAC, TAC, RSRP, RSRQ, Cell-ID, MCC/MNC NR: NR-ARFCN, PCI, Beam Index, TAC, bandwidth, SS-RSRP, SS-RSRQ, Cell-ID
Frequency bands	5G NR: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n71/n75/n76/n77/n78/n79 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B46/B48 WCDMA: B1/B2/B4/B5/B8/B19 GSM: 850/900/1800/1900MHz
Measurement rate (typical)	Max. 2 updates/sec @ single 5G NR channel
Min. detection level	5G NR: RSRP -126 dBm @100MHz BW 30 kHz SCS LTE: RSRP -130 dBm @5MHz BW FDD/TDD WCDMA: CPICH RSCP -115 dBm
Max. input power	+22 dBm
Accuracy	+/- 2 dB @input power >= -100 dBm
Connect Interface	SMA(F) * 4: RF In Type-C USB: Power supply port by the external power bank Micro USB: Debug port to run FW upgrade and diagnose testing in the field Bluetooth: Mobile application connect to ScanBox Pro
Power Supply	External Power Bank which the customer will purchase independently. Power Bank Output power: 12 volts, <10W power Power consumption: 1.5W, 150mA/12V. 5 days operation with 20 000 mAh powerbank
Dimensions/Weight	Length: 210mm* Width: 137mm* Height: 32mm*/550g
Operating temperature	-30°C ~ 70°C
Operating humidity	5%~85% relative humidity, non-condensing



Contact:
sales@enhancell.com

Thank you!