



# Y55 All-New Handheld Controller

An Integrated Terminal for Comprehensive GIS Data Collection and Protection



## ▶ WHY CHOOSE THE ALLYNAV Y55 ALL-NEW HANDHELD CONTROLLER?

The Y55 is a next-generation Android data collector powered by MTK's latest industrial-grade processor. With its ultra-thin design and newly engineered surveying keypad, it delivers outstanding performance and reliability for field surveying and mapping applications.

## ▶ ADVANTAGES



### Built for Professional Surveying & Mapping

Powered by an industrial-grade processor, the Y55 delivers ultra-fast data acquisition. Its slim design and dedicated surveying keypad enable effortless one-handed operation, enhancing field productivity. With seamless RTK receiver connectivity and hassle-free setup, you can start surveying right away.



### Sunlight Readable All-Weather Display

The Y55 features a 5.5" industrial-grade Retina display (16:9) with 500 nits of brightness, ensuring clear visibility even in direct sunlight. It supports glove, wet-hand, and stylus input, enabling reliable operation in any weather condition.



### Seamless Connectivity Without Limits

With Bluetooth 5.0, dual-band 2.4G / 5G Wi-Fi, and global 4G network, the Y55 ensures seamless connectivity with GNSS receivers from all major brands.



### Rugged Design for Extended Fieldwork

The built-in 9000 mAh battery provides up to 22 hours of continuous use, ideal for long field days. A 120 dB speaker delivers clear audio in noisy environments, while IP68 and 1.5 m drop resistance ensure durability in tough conditions.

## SOLUTION

### AllyNav Laser & AR RTK Surveying Solution



AR Visual Stakeout Laser Measurement

## APPLICATIONS



FORESTRY MANAGEMENT



CADASTRAL SURVEYING



ROAD CONSTRUCTION SURVEYING



PIPELINE INSPECTION

## SPECIFICATION

System	Sensors and Multimedia
<p><b>Operating System:</b> Android 10  <b>CPU:</b> MediaTek G85, 8-core, 2.0 GHz  <b>RAM:</b> 4 GB SDRAM  <b>ROM:</b> 64 GB  <b>Memory Card:</b> MicroSDHC, up to 256 GB</p>	<p><b>Camera:</b> 13 MP Primary Camera, supporting high-speed autofocus.  <b>Gyroscope:</b> Supported  <b>Electronic Compass:</b> Supported  <b>Ambient Light Sensor:</b> Supported</p>
Physical Specifications	Communications
<p><b>Display:</b> 5.5" IPS, 1080 × 1920 px, 500 nits  <b>Dimensions:</b> 226.3 × 90.6 × 16.9 mm  <b>Weight:</b> 418 g  <b>Ingress Protection:</b> IP68  <b>Drop Resistance:</b> 1.5 m (four corners and six faces)  <b>Operating Temperature:</b> -20 °C to +65 °C  <b>Storage Temperature:</b> -30 °C to +70 °C  <b>Storage Humidity:</b> 5%–95% (non-condensing)  <b>Physical Keyboard:</b> Full QWERTY (UK layout)</p>	<p><b>SIM Card:</b> Nano-SIM, dual SIM (single standby)  <b>Network Standard:</b>                      GSM: 850/900/1800/1900                      WCDMA: B1/B2/B4/B5/B8                      LTE-TDD: B34/B38/B39/B40/B41                      LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B26/B28/B66  <b>Wi-Fi:</b> 802.11 a/b/g/n/ac access point mode (2.4 G / 5 G)  <b>Bluetooth®:</b> 5.0   <b>NFC:</b> Supported  <b>USB:</b> Type C, OTG supported</p>
Power Specifications	Standard Accessories
<p><b>Battery Capacity:</b> 9000 mAh  <b>Operating Time:</b> 18–22 hours (typical)</p>	<p>Charger   USB cable</p>



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