

# NLS-MT90

## Portable Data Collector



### Features

- **Superior Barcode Reading Performance**  
 Armed with Newland's sixth-generation of **UIMG®** technology and its state-of-the-art 2D mega-pixel engine, the new NLS-MT90 can decode even poorer quality barcodes, such as soiled or wrinkled labels, with ease.
- **User-focused Ergonomics**  
 The user-focused ergonomic design of the NLS-MT90 renders a lightweight and well-balanced device that reduces stress and fatigue during extended work sessions. Its ergonomically positioned side scan buttons provide the most comfort to use for either right- or left-handed operators.
- **Diverse Functionalities**  
 Beyond the flexibility of its dual SIM card system, the NLS-MT90 offers Bluetooth/ 1D/2D/BT/ WiFi/ 4G/ 3G/ GPS/ Camera/ NFC functionalities to meet various application needs.
- **Long-lasting Battery Life**  
 The NLS-MT90 is equipped with a 4500mAh battery that provides a full-shift battery life of up to 10 hours from a single charge.
- **Heavily Customized Android**  
 The value-added features of the NLS-MT90, including application protection and admin tool, seek to shore up Android's data security.
- **5" Multi-color Capacitive Touch Screen**  
 The NLS-MT90 with tempered glass and IPS display boasts a good viewing angle and is quite legible for indoor and outdoor use.
- **Industrial-grade Durability**  
 The NLS-MT90's rugged housing is sealed to IP65 standards for protection against dust and water and withstands 1.5m drops to concrete.

### Application Scenarios

Logistics, express delivery services, warehouse management, retail chains, food traceability, healthcare, distributor management, manufacturing, electricity meter reading, inventory counting.

# NLS-MT90

SCANNING MADE SIMPLE

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<b>Performance</b>	Processor	1.5GHz quad-core 64-bit processor	
	Operating System	Android 8.1	
	Memory	2GB RAM, 16GB ROM	
	Interface	Micro USB 2.0 OTG	
<b>Physical</b>	Dimensions	Maximum Size: 155(L) × 78(W) × 20(H)mm; Handheld Size: 155(L) × 76(W) × 18(H)mm	
	Weight	265g (including battery)	
	Display	5" (1280×720) capacitive touch screen	
	Keypad	10 keys (side keys included)	
	Notification	Vibrator, speaker and multi-color LEDs	
	Battery	3.8V, 4500mAh	
	Expected Battery Life	10 hours	
	Expected Charge Time	<5 hours (charge via AC adapter)	
	Camera	8 megapixels, auto focus, with LED flashlight	
	GPS	GPS (AGPS), GLONASS	
	Expansion	Micro SD card (max. 32GB) slot	
	AC Adapter	Output: DC5V, 2.0A Input: AC100~240V, 50~60Hz	
	<b>Environmental</b>	Operating Temperature	-20°C to 55°C (-4°F to 131°F)
		Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity		5% to 95% (non-condensing)	
Static Discharge		±15 kV (air discharge), ±8 kV (direct discharge)	
Drop		1.5m drops to concrete, 1.8m drops to concrete with rubber boot	
Sealing		IP65	
<b>Barcode Scanning</b>	Laser aiming	1D: Code128,UCC/EAN-128,AIM-128,EAN-8,JAN-8,EAN-3,ISBN/ISSN,UPC-E, UPC-A, Interleave 2/5,ITF-6,ITF-14,Deutsche 14,Deutsche 12, COOP25, Matrix2/5,Industrial2/5,Standard25,Code39, Codabar/NW7, Code 93,Code 11,Plessey,MSI/Plessey,GS1 Databar, etc. 2D: PDF417, QR Code, Data Matrix, etc.	
	Mega-pixel		
<b>Depth of field</b>	Depends on barcode type and environment	Code39(20mil) 90mm-600mm;EAN13(13mil) 60mm-420mm Code39(5mil) 102mm-205mm;DM(10mil) 110mm-275mm PDF417(6.7mil) 90mm-173mm;QR(15mil) 40mm-230mm	
<b>RFID(Optional)</b>	13.56MHz RFID	ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693	
<b>Wireless</b>	WLAN RADIO	IEEE 802.11 a/b/g/n, 2.4GHz and 5GHz	
	WWAN RADIO	2G: GSM (850/900/1800/1900MHz); 3G: WCDMA (B1, B2, B5, B8); CDMA2000 1X/ EV-DO Rev. A(BC0); TD-SCDMA(B34, B39) 4G: TD-LTE (B38, B39, B40, B41);FDD-LTE (B1, B2, B3, B5, B7, B8, B20, B28a&b)	
	WPAN RADIO	Bluetooth 4.0 LE (Backward Compatible)	
<b>Optional Accessories</b>		Charging cradle, Battery, AC adapter, cable, hand strap, pistol grip, rubber boot, etc.	

Specifications are subject to change without notice.

Version: V1.0