Newland AIDC
SCANNING MADE SIMPLE

WD5 Industrial Smartwatch

Wearables



1,200 mAh
1.5m drop
1D & 2D
2.06" screen
Acuscan
Android 13
Bluetooth 5.1
Camera
IP67
Ndevor
NFC
Touchscreen
Warranty 2 Years
Wi-Fi 6



Features

Performance Meets Durability.
The WD5 Industrial Smartwatch features an innovative and intuitive design. Its 2.06" capacitive AMOLED display provides a straightforward and user-friendly interface. The Industrial Smartwatch also includes pogo pin contacts for fast charging and communication. The industrial smartwatch has a powerful 2.0 GHz octa-core processor, 4GB of RAM, and 64GB of flash memory, ensuring seamless performance. Not only is the WD5 Industrial Smartwatch stylish, but it is also durable and robust, with an IP67 certification and 1.5m drop protection. Weighing just 81g and boasting a slim design, the WD5 Industrial Smartwatch is lightweight and portable, making it ideal for industrial applications.

Scan, Capture, and Transmit in One Device.
The WD5 Industrial Smartwatch is equipped with Newland VGA scanning technology, allowing high-performance scanning of 1D barcodes and 2D codes even if damaged or distorted. The device also features LED aiming that uses Acuscan technology to ensure the decoding of codes and barcodes even when displayed closely together. Additionally, the WD5 Industrial Smartwatch comes with a 13-megapixel camera. Combining a scanner and camera in the WD5 Industrial Smartwatch reduces the need for multiple devices while offering greater flexibility. Users can perform various tasks, such as scanning, taking photos, and transmitting data, all with a single device.

Flexibility and Security.
The WD5 Industrial Smartwatch is equipped with the Android 13 Operating System, which provides modern and future-proof technology. Android 13 has improved security, integration, and flexibility performance compared to proprietary or outdated operating systems. This operating system is ideal for modern industrial applications like the WD5 Industrial Smartwatch.

Powerful Connectivity.
The WD5 Industrial Smartwatch has WiFi 6 and Bluetooth 5.1 connectivity to ensure daily productivity. Additionally, the WD5 offers the NFC option to provide fast, secure, and convenient usage for everyday applications

Device Management & Software Tools.
The WD5 Industrial Smartwatch comes fully equipped with Newland's free Ndevor MDM, which allows you to manage all your devices from one location. SOTI and WS1 are alternative MDM options for the device.

Nwear Family tree
For applications requiring high-speed barcode scanning, the WD5 can connect to Bluetooth wearable scanning solutions. Nhub on the device enables seamless connectivity to Newlands Nwear wearable scanners. EasyConnect is available to link 3rd Party Bluetooth devices.

2 Years Full Warranty

Ndevor NEWLAND SOFTWARE

SOTI MOBICONTROL

TECHNICAL SPECIFICATIONS

WD5 Industrial Smartwatch

Data Capture

1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E,Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93,UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey
2D	PDF417, QR Code, Data Matrix
Aiming	Red LED
Depth of Field Code 39 (5mil)	65 mm - 150 mm
Depth of Field DataMatrix (10mil)	55 mm - 120 mm
Depth of Field EAN 13 (13mil)	65 mm - 295 mm
Depth of Field PDF417 (6.7mil)	60 mm - 120 mm
Depth of Field QR (15mil)	35 mm - 180 mm
Image Sensor	800 x 640 CMOS

Performance

Current Operating System	Android 13
Memory Flash	64GB
Memory RAM	4GB
Processor	2.0 GHz octa-core, 64-bit

Physical

AC Adapter	5 V, 2 A
Battery Type	3,85 V, 1200 mAh
Dimensions	265(W) × 58(D) × 19(H) mm; Wristband: 24mm
Display/Touch Panel	2.06" AMOLED (410 x 502), support multi touch, brightness: 480 nits
Interfaces	Pogo pins
Keypad	4 keys
Notifications	Speaker, Vibration
Sensors	Acceleration sensor, Gyroscope, Magnetic sensor
Top-mounted Camera	13 MP, Auto focus
Weight	81 g (including battery)

Wireless

RFID	ISO14443A/B, ISO15693, MIFARE, FeliCa RF, Kovio, NFC Forum Type 1-4 Tags
WLAN RADIO	Built-in 802.11 a/b/g/n/ac/ax, support 2.4GHz and 5GHz, k/v/r compliant
WPAN RADIO	Bluetooth 5.1

Environmental	
Drop	1.5m drops to concrete (for six sides, one drop per side)
Electro Static Discharge (ESD)	±10 kV (air discharge), ±6 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP67
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-30°C to 60°C (-22°F to 140°F)
Software	
Android Roadmap	https://www.newland-id.com/en/support/android-roadmap-for-newland-devices/
Configuration Tools	Ndevor
MDM (certified)	Ndevor
Warranty	
Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+1 Year, +3 Years
Warranty Standard	2 Years
Accessories	
Accessories Optional	Charging cradle, Silicone watch strap, Screen protector, Belt clip, Belt clip with retractable reel, Fast charging power adapter
Accessories Standard	Charging cradle, Watch strap (tensile strength max. 80N), USB-C cable
What's in the box?	
NLS-WD5-ISW	WD5 Industrial Smartwatch, Wrist band, USB-C cable, Charging cradle

Accessories

Charging/Power	ADP710 Power Supply for Mobile Computers (ADP710)
Nwear Accessories	NLS-BC-01 Belt Clip for WD5 (NLS-BC-01) NLS-BCRR-01 Belt Clip with Retractable Reel for WD5 (NLS-BCRR-01) NLS-WD5-WS-01 Watch Strap for WD5 (NLS-WD5-WS-01)
Base Stations	NLS-CDWD5-01 Charging Cradle for WD5 (NLS-CDWD5-01)
Protection & Handling	NLS-SPWD5-01 Glass Screen Protector for WD5 (NLS-SPWD5-01)

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