



2D & 3D



CMOS



IP65



Bluetooth 3.0



USB



1.2M drop



Warranty 2 Years



Android



W03 Badge Scanner
Nwear

Features

Outstanding performance

Equipped with Newland's latest negative 3D technology, the W03 can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on the screen.

Batch collection

The W03 can be set to collect barcodes and store them in the memory to be uploaded to a host via a Bluetooth or cable connection. So, if you're delivering bulk items to a single delivery point or taking the time to create a little inventory, the W03 can work without the need for any hand interaction.

Precision scanning

Accuracy can be set on the W03, so the red laser cross-align only decodes the exact barcode you want it to. Even on a cluttered picklist or when many smaller items are stored close to each other, the user can be sure their picking out the correct item all the time.

Compact and light-weight design

The W03 is extremely thin and lightweight, so not only does it feel comfortable to hold, but if it is attached to the lanyard or retractable belt clip supplied, the weight and bulk are not noticeable.

High protection and industrial structure

The W03 is built around IP65-sealed and drop resistant (1.2M) housing with no moving parts that fortify itself inside and out. It can be used in all weather and cope with bumps, knocks and drops.

Nwear DNA

The W03, as part of the Nwear family of devices, can easily connect to the Newland family of Android devices via the easy pairing application. Third-party devices running Android can also be connected easily with the scan of a QR code via the generic EasyConnect APP.



Suggested industries



Retail



Healthcare



Logistics



Retail



Retail

WD3 Badge Scanner Technical specifications

Performance

Image Sensor	12.5MPixel Imgepixel CMOS
Illumination	980nm LED
Reading	Real-time read
Depth of Field EAN 12 (mm)	40mm-100mm
Depth of Field Code 39 (mm)	110mm-170mm
Depth of Field PDF417 (mm)	110mm-140mm
Depth of Field Data Matrix (mm)	110mm-140mm
Depth of Field QR (mm)	40-170mm
Intrinsic Print Contrast	>15%
Scan Angle Print	360°
Scan Angle Photo	±15°
Scan Angle Video	±15°
Field of View Horizontal	40°
Field of View Vertical	20°

Data Support

2D	Code 128, Code 39, Code39, GS1-128, JAN 128, BBY 128, Database Code 93, LPC-8, LPC-9, Crossbar, GS1 Composite, EAN-13, EAN-8, ISBN, ISSN, InterLeaved 2/5, Matrix 2/5, Industrial 2/5, ITF-14, ITF6, Standard 2/5, COOP 2/5, China Post 25, MSI Process, Priority, GS1 Database (RSS)
3D	PDF417, Micro-PDF417, QR Code, Matrix QR Code, Aztec, Data Matrix, Chinese Symbology Code, Medicode, QR Code

Physical

Dimensions (mm)	110.00mmx50.00mmx22.00mm
Weight	85g
Interface	USB
Battery Type	300 mAh Lithium-ion battery
Expected Battery Life	Up to 8 hours (depending on the intensity of scanning applications)
Expected Battery Life	Battery Charge Temperature: 0°C to 40°C (32°F to 104°F) (only adjusting to each label)
Expected Charge Time	~2 hours
Notifications	Buzz, LED Indicator, Vibration
Current at SVDC Operating	5mA@3.3V

Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	25 ~ 95% non-condensing
Doors Jack Discharge (ESD)	150 VV for discharge, 150 VV contact discharge
Drop	1.2m/0.39ft
IP Rating	IP55

WD3 Badge Scanner Technical specifications

Wireless

Wireless Radio	802.11n
Wireless Distance (max)	300m (984 ft) open space
Communication Mode	Bluetooth (BLE), Bluetooth (HD) Audio

Software

Computational Tools	Excel
---------------------	-------

Compliance

Software	CE FCC, FCC ID: A665, SAR: 1.0W/kg
----------	------------------------------------