Newland AIDC
SCANNING MADE SIMPLE



WD3 Badge Scanner

Wearables

1.2m drop | 1D & 2D | Acuscan | Bluetooth 5.0 | CMOS | EasyConnect

EasySet | IP65 | Nhub | USB | Warranty 2 Years



Features

Outstanding performance
Equipped with Newland's latest megapixel 2D technology, the WD3 can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on the screen.

Batch collection
The WD3 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 WD3 can work without the need for live host interaction.

Precision scanning
Acuscan can be set on the WD3, so the red laser cross aimer 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 WD3 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 WD3 is built into an 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 WD3, 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 APK.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

WD3 Badge Scanner

Data Capture

1D	Code 11, Code 128, Code39, GS1-128, AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, 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 Plessey, Plessey, GS1 Databar (RSS)
2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode, GM Code
Aiming	Laser (650nm)
Depth of Field Code 39 (5mil)	120 mm - 330 mm
Depth of Field DataMatrix (10mil)	125 mm - 240 mm
Depth of Field EAN 13 (13mil)	65 mm - 550 mm
Depth of Field PDF417 (6.67mil)	120 mm - 240 mm
Depth of Field QR (15mil)	40 mm - 370 mm
Field of View Horizontal	40°
Field of View Vertical	25°
Illumination	White LED
Image Sensor	1280 x 800 CMOS
Minimal Print Contrast	>25%
Scan Angle Pitch	±55°
Scan Angle Roll	360°
Scan Angle Skew	±55°

Physical

Battery Type	300 mAh lithium-ion battery
Dimensions	110.8(W) x 62.3(D) x 10.6(H) mm
Expected Battery Life	Up to 8 hours (depending on the intensity of scanning applications)
Expected Charge Time	< 2 hours
Input Voltage	5 VDC ±5%
Interfaces	USB
Notifications	Beep, LED, Vibration
Weight	53 g

Wireless

Communication Modes	Bluetooth BLE, Bluetooth HID
Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	30 m (in open space)

Environmental

Charge Temperature	0°C to 45°C (32°F to 113°F)
Drop	1.2 m
Electro Static Discharge (ESD)	±10 kV (air discharge), ±6 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP65

Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	CE RED, IEC 62471, FCC IF, RoHS, SRRC

Warranty

Warranty Standard	2 Years

Accessories

Accessories Optional	Bluetooth BLE USB dongle
Accessories Standard	USB-C cable, Neck lanyard, Retractable belt clip

What's in the box?

WD3-BS30	WD3 Badge Scanner, Neck lanyard, Retractable belt clip, USB-C cable

Accessories

Peripherals	NLS-DG-R USB Bluetooth Dongle (NLS-DG-R)

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Newland AIDC EMEA
Feel free to contact us or a partner near you.
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