NWEAR
BY NEWLAND

1D & 2D | CMOS | IP65 | Bluetooth 5.0 | USB | 1.2M drop

Warranty 2 Years | Acuscan

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.

Suggested industries

Events | Healthcare | Hospitality | Retail | Tourism

WD3 Badge Scanner Technical specifications

Performance	
Image Sensor	1280x800 (megapixel) CMOS
Illumination	White LED
Aiming	Red laser cross
Depth of Field EAN 13 (13mil)	65mm-550mm
Depth of Field Code 39 (5mil)	120mm-330mm
Depth of Field PDF417 (6.67mil)	120mm-240mm
Depth of Field Data Matrix (10mil)	125mm-240mm
Depth of Field QR (15mil)	40-370mm
Minimal Print Contrast	>25%
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Field of View Horizontal	40°
Field of View Vertical	25°
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
Physical	
Dimensions (mm)	110.8(W)x62.3(D)x10.6(H)mm
Weight	53g
Interfaces	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 45°C (32°F to 113°F) (needs adjusting in tech label)
Expected Charge Time	< 2 hours
Notifications	Beep, LED Indicator, Vibration
Current @ 5VDC Operating	5VDC±5%
Environmental	
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	5% - 95% (non-condensing)
Electro Static Discharge (ESD)	±10 KV (air discharge); ±6 KV (contact discharge)
Drop	1.2m/3.94ft
IP Rating	IP65

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

© Newland EMEA 2022, all rights reserved

Newland

SCANNING MADE SIMPLE

Wireless	
WWAN RADIO	-
Wireless Distance (max.)	30m/98ft (in open space)
Communication Modes	Bluetooth BLE, Bluetooth HID Modes
Software	
Configuration Tools	Easyset
Certifications	
Software	CE RED, FCC IF, RoHS, SRRC, IEC 62471

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

© Newland EMEA 2022, all rights reserved

Newland

SCANNING MADE SIMPLE