



WD2 Wearable Scanner

Wearables

 1.5m drop	 1D & 2D	 Acuscan	 Bluetooth 5.0	 CMOS	 EasyConnect
 EasySet	 IP65	 Laser aimer	 Warranty 2 Years		



Features

Hands-free working

The WD2 connects to an Integrated Trigger Strap* comfortably positioned between thumb and forefinger. It is available for both right- and left-handed operators and comes in two sizes to cater to small/medium and large hands. The large strap will also fit over thicker gloves for cold or heavy-duty applications. The scanner will stay secure with a quick click docking magnet and additional securing strap until the operator wants to remove it. The ergonomics and lightweight make it perfect for long-sustained scanning applications where "two hands are better than one." *Integrated Trigger Strap is not available in Germany and/or for resale to Germany.

Outstanding Performance

Equipped with Newlands 2D Megapixel scanning technology, the WD2 can effortlessly capture high-density, high volume and distorted barcodes printed on a wide range of materials. The mid-range version can capture codes from further away than normal and scan a wide variety of barcodes that standard range scanners may struggle with.

Taking careful aim

The Standard range uses a red aiming crosshair design that enables the use of Acuscan for precision scanning on smaller codes. Even when codes are grouped close together, Acuscan enables workers to set their sights with confidence for picking the exact item they need. The mid-range version uses a single red dot that can be seen from a greater distance for pin-pointing larger, isolated codes.

Daisy Chain charging

The WD2 has a compact two-bay charging station powered via a USB-C cable or a multi-region PSU. The cradle has fixing points for mounting, and the quick click docking magnets keep the WD2 securely in place even if mounted vertically. The cradles can be linked together to create a 4, 6, or 8 bay multi dock cradle, optimized to 100% charging efficiently via a single PSU.

Stable wireless communication

The WD2 uses a strong anti-interference Bluetooth 5.0 technology. When used with the WD1 Android wrist-mounted solution, the WD2 can be directly paired by scanning an onscreen 2D barcode.

2 Years Full
Warranty



TECHNICAL SPECIFICATIONS

WD2 Wearable Scanner

Data Capture

1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, UCC/EAN128, I2Of5, ITF14, ITF6, Matrix 25, CodaBar, Code39, Code32(Italian Pharma Code), Code93, ISSN, ISBN, Industrial25, Standard25, Plessey, Code11, MSI Plessey, UCC/EAN Composite, GS1 Databar, China Post 25, Code 49, Code 16K
2D	PDF417, QR Code, Micro QR, DataMatrix, Aztec, MaxiCode, Chinese Sensible Code, GM Code, Micro PDF417, CODEONE
Aiming	SR: cross laser (650nm), MR: dot laser (650nm)
Depth of Field Code 128 (5mil)	MR: 190mm-300mm
Depth of Field Code 39 (100mil)	MR: 250mm-3500mm
Depth of Field Code 39 (20mil)	MR: 80mm-1300mm
Depth of Field Code 39 (5mil)	SR: 120 mm - 330 mm
Depth of Field DataMatrix (10mil)	SR: 125 mm - 240 mm, MR: 160 mm - 300 mm
Depth of Field EAN 13 (13mil)	SR: 65 mm - 540 mm, MR: 60 mm - 850 mm
Depth of Field PDF417 (6.7mil)	SR: 125 mm - 240 mm
Depth of Field QR (15mil)	SR: 40 mm - 360 mm
Field of View Horizontal	SR: 40°, MR: 33°
Field of View Vertical	SR: 25°, MR: 21°
Illumination	White LED
Image Sensor	1280 x 800 CMOS
Minimal Print Contrast	25%
OCR	Specific OCR-B, Passport OCR, Chinese ID Card, China Travel Permit OCR
Postal	US PostNet, US Planet, UK Postal, Australia Postal, Japan Postal
Scan Angle Pitch	SR: ±65°, MR: ±60°
Scan Angle Roll	SR: 360°, MR: 360°
Scan Angle Skew	SR: ±75°, MR: ±70°
Physical	
Battery Type	670 mAh lithium-ion battery
Dimensions	58.8(W) × 48.8(D) × 18(H) mm
Expected Battery Life	10 hours of continuous operation (scan once per 15 second)
Expected Charge Time	<2 hours (with power adapter)
Input Voltage	5 VDC ±5%
Notifications	Beep, LED, Vibration
Weight	43 g
Wireless	
Communication Modes	Bluetooth HID, Bluetooth BLE
Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	80 m (open space)
Environmental	
Charge Temperature	0°C to 45°C (32°F to 113°F)
Drop	1.5 m
Electro Static Discharge (ESD)	±8 kV (contact discharge), ±15 kV (air discharge)

Humidity	5% to 95% (non-condensing)
IP Rating	IP65
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Software	
Configuration Tools	EasySet
Certifications	
Certifications Hardware	FCC ID, CE RED, IEC 62471, RoHS, SRRC
Warranty	
Comprehensive Service Contract	3 Years, 5 Years
Warranty Standard	2 Years
Accessories	
Accessories Optional	Multiplug adapter, Fast charging power adapter, Screen protector, 2-slot charging cradle, Bluetooth BLE USB dongle, Integrated trigger strap
What's in the box?	
All versions	WD2 Wearable Scanner, USB-A charging/data cable

Accessories

Charging/Power

AD60-D-M Power Supply with Multiplug Adapter (AD60-D-M)
ADP710 Power Supply for Mobile Computers (ADP710)

Cables

CBLMP100U Data Cable for WD2 (CBLMP100U)

Base Stations

CD50 2-slot Charging Cradle for WD2 (CD50)

Nwear Accessories

ITS Integrated Trigger Strap (ITS)

Peripherals

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

Protection & Handling

SPWD2 HYBRID Screen Protector Film for WD2 (SPWD2 HYBRID)



Newland AIDC EMEA

Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

Specifications are subject to change without notice
© Newland AIDC EMEA 2026 - All rights reserved