NWEAR
BY NEWLAND

1D & 2D | Acuscan | Laser aimer | CMOS | Bluetooth 5.0 | IP65

1.5m drop | EasySet | EasyConnect | 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

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, 8 or 10 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





Suggested industries

Retail | Warehousing | Logistics | Hospitality | Manufacturing

WD2 Wearable Scanner Technical specifications

Data Capture

Barcode scanning	OCR: Specific OCR-B, Passport OCR, Chinese ID Card, China Travel Permit OCR
Barcode scanning	Postal: US PostNet, US Planet, UK Postal, Australia Postal, Japan Postal
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
Image Sensor	1280x800 (megapixel) CMOS
Aiming	650nm Laser (SR: crosshair laser; MR: dot laser)
Illumination	White LED
Depth of Field EAN 13 (13mil)	SR: 65mm-540mm / MR: 60mm-850mm
Depth of Field Code 39 (5mil)	SR: 120mm-330mm
Depth of Field Code 39 (20mil)	MR: 80mm-1300mm
Depth of Field Code 39 (100mil)	MR: 250mm-3500mm
Depth of Field Code 128 (5mil)	MR: 190mm-300mm
Depth of Field PDF417 (6.7mil)	SR: 125mm-240mm
Depth of Field DataMatrix (10mil)	SR: 125mm-240mm / MR: 160mm-300mm
Depth of Field QR (15mil)	SR: 40mm-360mm
Field of View Horizontal	SR: 40° / MR: 33°
Field of View Vertical	SR: 25° / MR: 21°
Scan Angle Roll	SR: 360° / MR: 360°
Scan Angle Pitch	SR: ±65° / MR: ±60°
Scan Angle Skew	SR: ±75° / MR: ±70°
Minimal Print Contrast	25%

Physical

Battery Type	670 mAh lithium-ion battery
Current @ 5VDC Operating	5VDC±5%
Dimensions (mm)	58.8×48.8×18mm

Newland AIDC EMEA

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Specifications are subject to change without notice

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SCANNING MADE SIMPLE

WD2 Wearable Scanner Technical specifications

Expected Battery Life	10 hours of continuous operation (scan once per 15 seconds)
Expected Charge Time	<2 hours (with power adapter)
Notifications	Beep, LED and vibration
Weight	Scanner: 43g
Wireless	
Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	80m (open space)
Communication Modes	Bluetooth BLE, Bluetooth HID Modes
Environmental	
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	Battery Charge Temperature: 0°C to 45°C (32°F to 113°F) (needs adjusting in tech label)
Humidity	5% to 95% (non-condensing)
Electro Static Discharge (ESD)	±8 KV (contact discharge); ±15 KV (air discharge)
Drop	1.5m/4.92ft
IP Rating	IP65
Accessories	
Optional	Screen protection film (SPWD2 Hybrid)
Software	
Configuration Tools	EasySet
Certifications	
Hardware	CE RED, FCC ID, RoHS, SRRC, IEC 62471
Warranty	
Standard	2 years
Comprehensive Service	3 or 5 Years

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