



WD2
Wearable
Scanner
Nwear

Features

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, 8 or 10 bay multi dock cradle, optimized to 100% charging efficiently via a single PSU.

Hands-free working

The WD2 connects to an Electronic Hand Strap with an integrated scan trigger 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.”

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.



Suggested industries



Hospitality



Logistics



Manufacturing



Retail



Warehousing

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 |
| 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) |

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Specifications are subject to change without notice

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WD2 Wearable Scanner Technical specifications

| | |
|---------------------|------------------------------------|
| 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) |
|----------|----------------------------|

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|--------------------------------|---|
| Electro Static Discharge (ESD) | ±8 KV (contact discharge); ±15 KV (air discharge) |
|--------------------------------|---|

| | |
|------|-------------|
| Drop | 1.5m/4.92ft |
|------|-------------|

| | |
|-----------|------|
| IP Rating | IP65 |
|-----------|------|

Software

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|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

Certifications

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|----------|---------------------------------------|
| Software | CE RED, FCC ID, RoHS, SRRC, IEC 62471 |
|----------|---------------------------------------|

Warranty

| | |
|----------|---------|
| Standard | 2 years |
|----------|---------|

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