Newland AIDC
SCANNING MADE SIMPLE



WD4 Ring Scanner

Wearables

1.2m drop | 1D & 2D | Bluetooth 5.0 | EasyConnect | EasySet | IP42

LED Aimer | Nhub | USB | Warranty 3 Years





Features

Hands-Free Scanning Experience
Enjoy the convenience of hands-free scanning with the WD4 Ring Scanner! With its exceptional performance, the WD4 can effortlessly scan a diverse array of 1D and 2D barcodes. Equipped with a versatile rotating head, this scanner fits perfectly on your left or right hand, ensuring seamless functionality even during routine tasks like carrying boxes. Additionally, the trigger button can be easily operated with a light press of your thumb.

Reliable Seamless Connectivity
Enjoy the freedom of wireless connectivity with the WD4! Featuring Bluetooth 5.0, the WD4 Ring Scanner enables reliable and fast communication with your preferred devices. It effortlessly pairs with Android mobile computers, tablets, PCs, and smartphones, as well as IOS and Windows devices via EasyConnect.

Customizable Configuration with EasySet
The WD4 Ring Scanner is compatible with the Newland EasySet configuration software, providing users with the ability to customize their devices. With EasySet, you can effortlessly manipulate scanned data, configure settings, and export saved files in various formats. With 1MB storage memory and EasySet compatibility, the WD4 becomes a valuable data collector not only for online but also for offline applications.

Intuitive Good-Read Feedback
Experience clear and instant feedback with the WD4 Ring Scanner. It utilizes a combination of LED lights, audio beeps, and vibrations to provide you with clear feedback on successful scans. These same indicators can also alert the device's communication status and battery life, keeping you informed and ensuring uninterrupted workflow.

Full-Shift Battery
Thanks to the large 670mAh battery capacity, you can enjoy up to 10 hours of uninterrupted scanning time. The low-power Bluetooth 5.0 technology, combined with the energy-efficient scan engine, gets you comfortably through a full shift without a need to recharge.

Efficient Multi-Device Charging
In addition to the supplied magnetic to USB cable for individual charging, you have the option to choose two-bay charging cradles that can be linked together to create a multi-charging solution using a single power supply. With the ability to daisy-chain up to 4 cradles, you can charge up to x8 WD4 Ring Scanners simultaneously, reducing clutter and optimizing charging efficiency.

3 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

WD4 Ring Scanner

Data Capture

1D	Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Standard 25, Codabar, Industrial 25, Code39, Code 93, Code 11, Plessey, MSI-Plessey, GS1-DataBarTM(RSS), Matrix 2 of 5, Interleaved 2 of 5, ITF-6, ITF-14
2D	PDF417, QR Code, Data Matrix, Aztec, Micro PDF, Micro QR
Aiming	Red LED
Depth of Field Code 39 (5mil)	55 mm - 145 mm
Depth of Field DataMatrix (10mil)	40 mm - 140 mm
Depth of Field EAN 13 (13mil)	55 mm - 280 mm
Depth of Field PDF417 (6.7mil)	40 mm - 130 mm
Depth of Field QR (15mil)	30 mm - 195 mm
Illumination	White LED
Image Sensor	640 x 480 CMOS
Minimal Print Contrast	20% (Code128 10mil)
Resolution	≥3mil (Code128)
Scan Angle Pitch	±60°
Scan Angle Roll	360°
Scan Angle Skew	±60°

Performance

Memory Flash	1MB, >16000 EAN 13 codes

Physical

Battery Type	4.35 V, 670 mAh (rechargeable Li-ion battery)
Dimensions	38(W) × 52.5(L) × 44.2(H) mm
Expected Battery Life	Up to 8 hours (depending on the intensity of scanning applications)
Expected Charge Time	Less than 2 hours
Notifications	Buzzer, LED, Vibration
Power Supply Input	AC100 to 240 V (50 to 60 Hz)
Power Supply Output	5 VDC (1.5 A)
Weight	48 g

Wireless

Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	40 m (wide empty area)

Environmental

Charge Temperature	0°C to 45°C (32°F to 113°F)
Drop	1.2 m
Electro Static Discharge (ESD)	±12 kV (air discharge), ±8 kV (contact discharge)

Humidity	5% to 95% (non-condensing)
IP Rating	IP42
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	CE, RoHS

Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+2 Years
Warranty Standard	3 Years

Accessories

Accessories Optional	Multiplug adapter, Fast charging power adapter, USB-A - Magnetic connector cable, Bluetooth BLE USB dongle, 2-slot charging cradle
Accessories Standard	USB-A - Magnetic connector cable

What's in the box?

WD4-BS20-SR	WD4 Ring Scanner, USB-A to magnetic connector cable

Accessories

Charging/Power	AD60-D-M Power Supply with Multiplug Adapter (AD60-D-M) ADP710 Power Supply for Mobile Computers (ADP710)
Cables	CBL-0216U Cable for WD4 (CBL-0216U)
Peripherals	NLS-DG-R USB Bluetooth Dongle (NLS-DG-R)
Base Stations	NLS-SCD20 2-slot Charging Cradle for WD4 (NLS-SCD20)

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