

Product Catalog

Making everyday tasks easier, faster and more intuitive.

OVERVIEW

Newland AIDC

As one of the world-leading companies in automatic identification and data capture, Newland AIDC empowers your workforce in retail store, warehouse & distribution center, manufacturing facility and other industries to transform your business with full data visibility and

With our global sales & services network, we are committed to offering cutting-edge data capturing technology that helps our enterprise customers to win.

OUR STRENGTH

MEMBER OF NEWLAND GROUP

Newland AIDC (Newland Auto-ID Tech. Co., Ltd.), founded in 1999, is a wholly-owned subsidiary of Newland Digital Technology Co., Ltd. (a listed company, Stock code: 000997) and a member company of Newland Group (Newland Hi-Tech Group Co., Ltd., founded in 1994).

With more than 30 member companies, Newland Group covers 3 high-tech territories -- Information Technology, Internet of Things and Big Data, and provides leading solutions and services including Payment, auto-identification, Telecommunication, Software, Education, etc

The important acquisitions of Perceive World Technology Co., Ltd. and Speedata were made by Newland, which shined the product portfolio of Newland AIDC with mobile terminal embranchment.

LEADING IN INDUSTRY

Newland AIDC, with over 20 years of R&D in data capturing & enterprise mobility, is the industry-leading company in China and well-known expert in global market. It is the only company in China that has full stack 2D barcode technology, and the only company that makes 2D decoder ASIC in the world.

Newland owns more than 200 patents related to barcode products/technology:

- 5 patents in USA and 5 patents in Europe.
- 120 patents for IC and 50 patents for scan engine in China.
- 22 patents in 2D barcode IOT business in China.



Data Capture











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Traceability

Cloud & Big Data

Transportation & Logistics

Intelligence

Digitalization



As the result of decade's dedication to imaging-based decoding technology, Newlan AIDC's exclusive **WIMG**® technology is highly admitted as:

- High-quality digital image capture technology
- Intelligent image processing and decoding technology
- High-performance embedded computing platform
- Embedding application development technology



From R&D to mass production, Newland AIDC is equipped with comprehensively advanced instruments for experiments, including environmental, mechanical, electrical, safety testing, etc. Professional facilities including radiation anechoic chamber, automatic scanning DOF, speed testing, optical lens testing, etc.

Newland AIDC owns the laboratory approved by CNAS specified in barcode testing, where the generated reports are acknowledged by CNAS mutual recognition organizations amount 80 economy entities worldwide.

EXCELLENT SUPPLY CHAIN MANAGEMENT

- ISO20000, ISO9001 and ISO14000 certified
- Stabilized multi-channels for key components supply
- Owns 2000 m² modernized factory, including dust-free workshop and engine assembling line. Additional outsourcing factories covering over 10000 m²

CUSTOMIZATION ABILITY

By partnering with Newland AIDC, you will get to leverage our industry-leading technologie and the agile R&D team, shorten the development cycle, and optimize your spending of development from demand insight to solutions from engineering to mass production.

Your incumbent market position + Newland's proven track record of success = Maximum o



Real-time and accurate data is essential for your business success nowadays, the higher the quality, the bigger chance to win.

With industry-leading barcode decoding technology, Newland AIDC is committed to providing customers with reliable and efficient solutions to reinforce varieties of industries including retail & hospitality, transportation & logistics, manufacturing, healthcare, mobile payment, etc.









Mobile Payment















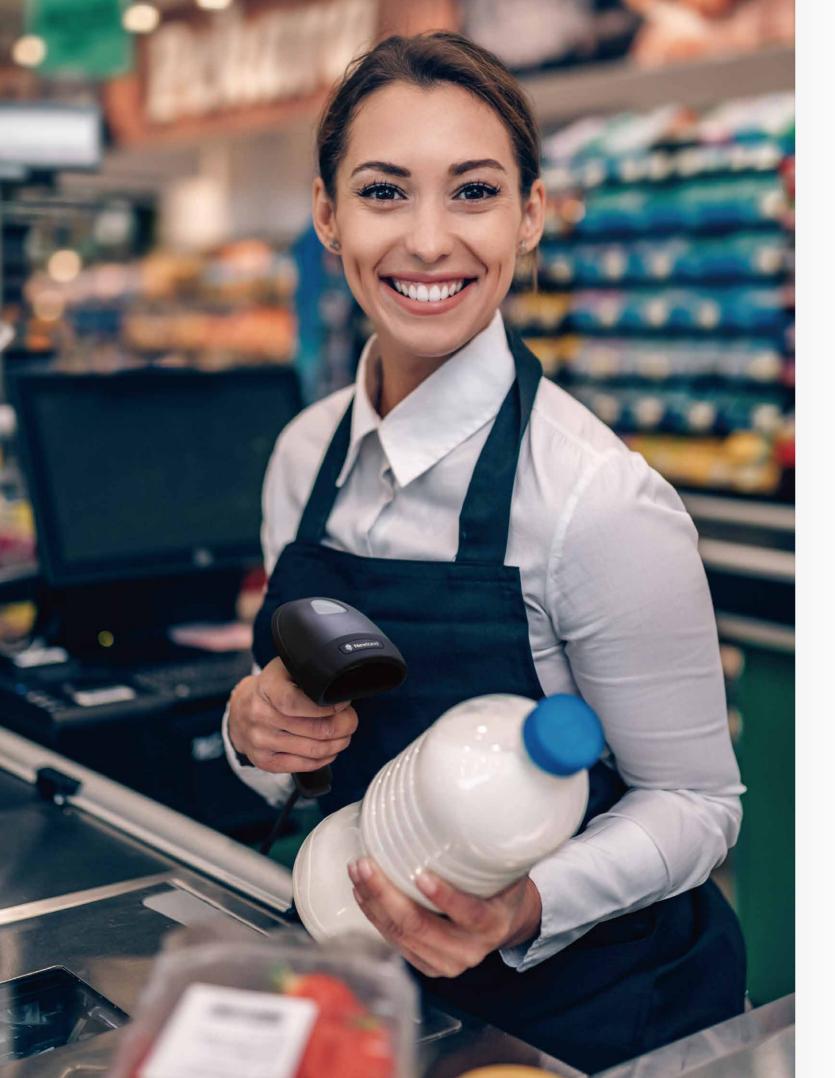


Embedded Solutions

Healthcare

Public Sector

Transportation & Logistics



HANDHELD SCANNER

CORDED HANDHELD SCANNER





- Support 1D barcodes
- Depth of field: 40-480 mm
- Up to 300 scans per second
- Optional accessories: foldable smart stand, gooseneck stand





- Support 1D and 2D barcodes
- Depth of field: 50-260 mm
- Optional accessories: foldable smart stand, gooseneck stand
- Ideal for applications at POS
- Optional for healthcare version



RS232



Drop USB









- Support 1D and 2D barcodes
- Depth of field: 45-510 mm
- Optional accessories: foldable smart stand, gooseneck stand
- Optional for healthcare version











- Support 1D and 2D barcodes
- Depth of field: 40-260 mm
- Gooseneck stand
- Support LED, Beeper, Vibration Indicator
- Support iOS / Android / Windows
- Ergonomics and aesthetics in its design that ideal for applications at POS











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HR3000







- Support LED, Beeper, Vibration Indicator
- Acuscan: accurate "point-to-read" feature
- Support iOS / Android / Windows
- Ergonomics and aesthetics in its design that ideal for applications at POS

CORDLESS HANDHELD SCANNER









- More than 15 hours of continuous operation (scan once per 6s)
- Store more than 15,000 code entries (Code 128, 20 bytes)
- Adjustable charging & communication cradle for sense and handheld modes
- Via Bluetooth 5.0 BLE/HID connection
- Support iOS / Android / Windows









- Dual pairing modes:
- Direct Bluetooth 5.0 connection by HID/BLE
- Delivered with a Bluetooth USB dongle for plug-and-play convenience



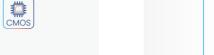


• Depth of field: 50-495mm



• Communication distance 50m/164ft

- More than 12 hours of continuous operation (scan once per 6s)
- Adjustable charging & communication cradle for sense and handheld modes
- Support iOS / Android / Windows
- Via Bluetooth 5.0 BLE/HID connection
- Optional for healthcare version
- Optional Cradle



()::: IP42 IP42

RS232



- Support 1D and 2D barcodes HR52-BT
 - Depth of field: 50-555mm
 - Communication distance 50m/164ft
 - Store more than 15,000 code entries (Code 128, 20 bytes)
 - More than 12 hours of continuous operation (scan once per 6s)
 - White LED illumination
 - Adjustable charging & communication cradle for sense and handheld modes
 - Acuscan: accurate "point-to-read" feature
 - Via Bluetooth 5.0 BLE/HID connection
 - Support iOS / Android / Windows



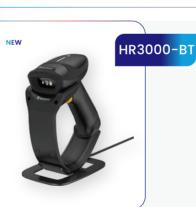
• Support 1D and 2D barcodes



• Bluetooth 5.0 and reliable wireless communication

· Communication distance 100m/328ft

- Replaceable 2600mAh battery for 16 hours of continuous operation
- Support LED, Beeper, Vibration Indicator
- Support iOS / Android / Windows





• Depth of field: 40-510 mm

• Bluetooth 5.0 and reliable wireless communication

• Communication distance 100m/328ft

• Support LED, Beeper, Vibration Indicator

• Replaceable 2600mAh battery for 16 hours of continuous operation

• Acuscan: accurate "point-to-read" feature

• Support iOS / Android / Windows

INDUSTRIAL HANDHELD SCANNER



• Support 1D and 2D barcodes

• Excellent DPM decoding capability

• Al function and intelligent learning

• Advanced illumination system

• High-protection industrial structure design

• Suggestion Application: automobile, electronic, healthcare, etc.

• Ideal for track and trace on the industrial manufacturing production line



























































• Support 1D and 2D barcodes

- Excellent DPM decoding capability
- Al function and intelligent learning
- Wireless connectivity
- Advanced illumination system
- High-protection industrial structure design
- Suggestion Application: automobile, electronic, healthcare, etc.
- Ideal for track and trace on the industrial manufacturing production line



NVH300-HD

- Support 1D and 2D barcodes
- Excellent DPM decoding capability
- Acuscan: accurate "point-to-read" feature
- Ultra-rugged construction
- Suggestion: automobile, electronic, healthcare, etc.
- Ideal for track and trace on the industrial manufacturing production line





- Support 1D and 2D barcodes
- Excellent DPM decoding capability
- Advanced illumination system: white, red, blue
- Acuscan: accurate "point-to-read" feature
- Ultra-rugged construction
- Suggestion: automobile, electronic, healthcare, etc.
- Ideal for track and trace on the industrial manufacturing production line





HR42-BT

- Support 1D and 2D barcodes
- Capable of reading high-density barcodes
- White LED illumination
- Depth of field: 25-160 mm
- Acuscan: accurate "point-to-read" feature
- Optional accessories: foldable smart stand







Toron Drop

USB RS232 Bluetooth Nset

RS232

Toro Drop

RS232









- Support 1D and 2D barcodes
- Capable of reading high-density barcodes
- White LED illumination
- Depth of field: 25-160 mm
- Acuscan: accurate "point-to-read" feature
- Wireless Connectivity





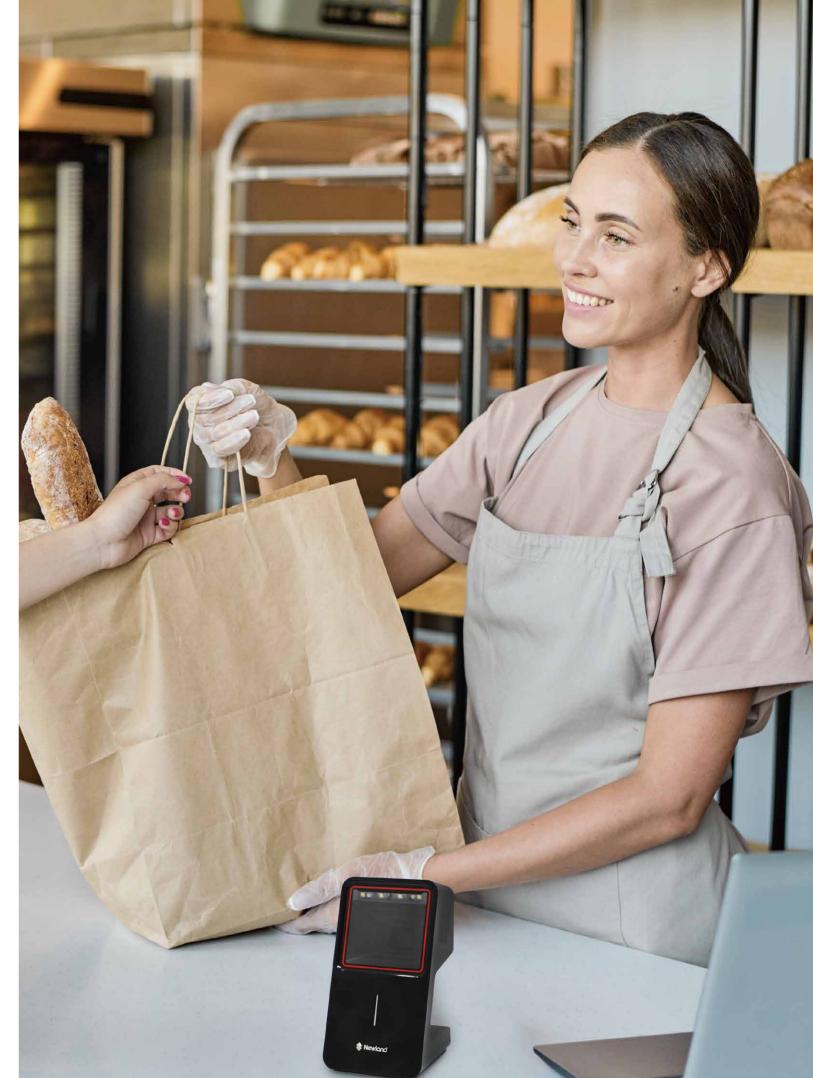












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DESKTOP SCANNER



• Support 1D and 2D barcodes



- Optimized design for barcodes on LCD / mobile devices
- Blue, green, red illumination optional
- Size: 100.3(L) x 120.3(W) x 102.8(H)mm





















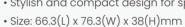






























FR42

• Support 1D and 2D barcodes

- Depth of field: 10-210mm
- Presentation scanner with adjustable scan angles
- Switch to toggle between paper and screen mode
- Size: 83.0(L) x 81.0(W) x 148.0(H)mm













• Support 1D and 2D barcodes

- Depth of field: 5-145mm
- Snappy On-screen Barcode Capture
- Support iOS / Android / Windows
- Exceptional motion tolerance (2m/s) and large FOV (horizontal 62°, vertical 48°) enhance user experience



• Megapixel Imager, support 1D and 2D barcodes



- Via Bluetooth 5.0 BLE/HID connection
- Support iOS / Android / Windows
- 16 hours of continuous operation (scan once per 10 seconds)
- Replaceable Battery 2000mAh with USB/Type-C connector





• Megapixel Imager, support 1D and 2D barcodes



- Ultra fast motion tolerance 3.5m/s
- Ideally suited for retail checkout
- Size: 151(L) × 108.5(W) × 156.5(H)mm























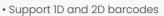


WEARABLE DEVICE



BS20

BS30





- Support iOS / Android / Windows
- Via Bluetooth 5.0 BLE/HID connection
- EasyConnect
- Communication Distance: 50m (open space)
- 10 hours of continuous operation (depending on the application and environmental conditions)
- Size: 38(L) × 52.5(W) × 44.2(H)mm, weight: 49g



• Support 1D and 2D barcodes





• Via Bluetooth 5.0 BLE/HID connection

• Acuscan: accurate "point-to-read" feature

• Suggestion: Enterprise customers who are using consumer devices like mobile phones, tablets, but professional scanning needed for extension

• Size: $110.8(L) \times 62.3(W) \times 10.6(H)$ mm, weight: 53g







• Support Android/iOS/Windows

• Via Bluetooth 5.0 BLE/HID connection

• Optional for Gloves (Size SM/L, Left/Right)

• Optional for 2-slot charging cradle

(Can be installed in series to 6-slot charging station)

• Communication Distance: 80m/262ft

• 10 hours of continuous operation (scan once per 15 seconds)

• Size: 58.8(L) × 48.8(W) × 18(H)mm, weight: 43g































BS80



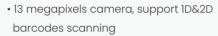
- Depth of field:
- 1D: 55-410mm
- 2D: 60-380mm
- Support Android/iOS/Windows
- Via Bluetooth BLE/SPP/HID connection
- Optional for healthcare version
- Size: 88(L) × 46(W) × 24.5(H)mm, weight: 62g













- Dual microphone, noise reduction
- Suggestion: logistic, warehouse management, inventory, etc.
- Size (Dial plate): 77.0(L) × 56.0(W) × 17.8(H)mm, weight: 143g

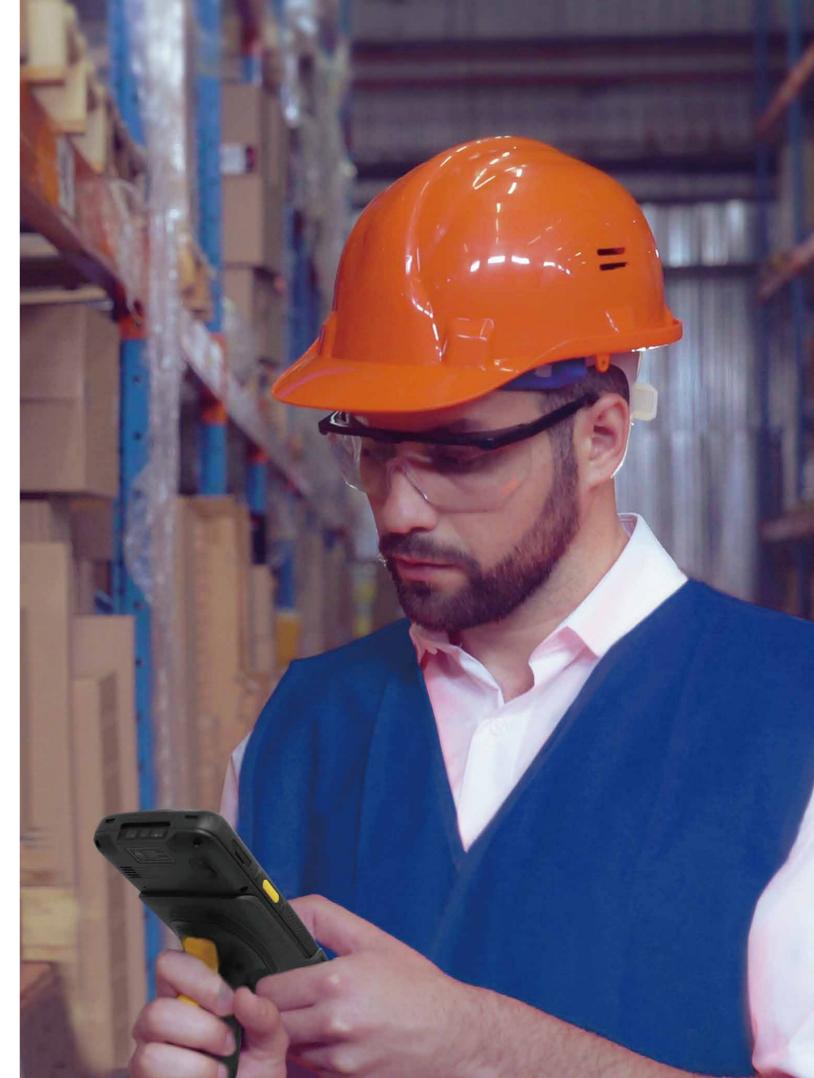












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• Build on Quad-core, 1GB RAM + 8GB ROM











0:;; IP 65 IP 65

○::: IP65

• Optional accessories: Protective sleeve, wrist lanyard

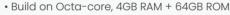
· Battery 3300mAh

• Suggestion: retail chains, food traceability, healthcare, warehouse management, inventory, etc.

• Size: 158(W) × 59(D) × 18.3(H)mm, weight: 155g











• Optional accessories: rubber boot, hand strap, wrist lanyard, pistol grip, charging cradle, 4-slot spare battery charging cradle

• Suggestion: Retail, hospitality industry, logistics, warehouse, etc.

• Size: 162.0(L) × 68.0(W) × 17.0(H)mm, weight: 250g





• Build on Octa-core, 4GB RAM + 64GB ROM









- Optional accessories: rubber boot, hand strap, wrist lanyard, pistol grip, single charging cradle, 3-slot charging cradle, 4-slot spare battery charging cradle, UHF reader, long range barcode reader
- Suggestion: logistics, field mobility, healthcare, etc.
- Size: 155.0(L) × 78.0(W) × 20.0(H)mm, weight: 265g
- Google Android Enterprise Recommended (AER) certified



MT93

• Build on Octa-core, 2.2GHz, 4GB RAM + 64GB ROM





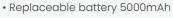






[0]2D

O:::: IP 67 IP 67



• WiFi 6 and Bluetooth 5.2 support

- Optional accessories: rubber boot, hand strap, wrist lanyard, pistol grip, single charging cradle (assembled to up to 4 slots), 4-slot spare battery charging cradle
- Suggestions: retail, logistics, field mobility, etc.
- Size: 159(L) × 74(W) × 15.9(H)mm, weight: 277g



• Build on Octa-core, 2.4GHz, 4GB RAM + 64GB ROM





• Dual SIM and 5G network support



- Optional accessories: rubber boot, hand strap, wrist lanyard, pistol grip, single charging cradle (assembled to up to 4 slots), 4-slot spare battery charging cradle
- Suggestions: retail, logistics, field mobility, etc.
- Size: 165(L) × 78.5(W) × 15.5(H)mm, weight: 287g



• Build on Octa-core, 4GB RAM + 64GB ROM



• Battery 4800mAh

• Optional accessories: wrist lanyard, single charging cradle, 4-slot charging cradle

• Healthcare dedicated model: CareLink-M10

• Suggestion: retail, logistics, hospitality industry, healthcare, etc.

• Size: 157.0(L) × 76.3(W) × 12.6(H)mm, weight: 231g

• Google Android Enterprise Recommended (AER) certified



N7

• Build on Octa-core, 4GB RAM + 64GB ROM



· Optional accessories: pistol grip, wrist lanyard, single charging cradle (assembled to up to 4 slots), 4-slot spare battery charging cradle



• Google Android Enterprise Recommended (AER) certified

• Size: 200.0(L) × 70.0(W) × 24.0(H)mm, weight: 360g



















INTERACTIVE KIOSK

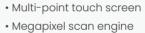
NQUIRE500

- Build on Octa-core, 4.4GB RAM + 64GB ROM
- Multi-point touch screen
- Megapixel scan engine
- WiFi (2.4Ghz and 5Ghz), Bluetooth
- Ethernet, PoE, Expansion ports
- Expansion ports accessories: NFC reader, MSR reader etc.
- Bracket with standard VESA 75 interface
- Size: 156.5(L) × 100.4(W) × 29(H) mm









• WiFi (2.4Ghz and 5Ghz), Bluetooth

• Ethernet, PoE, Expansion ports

• Expansion ports accessories: NFC reader, MSR reader etc.

• Bracket with standard VESA 75 interface

• Size: 251.7(L) × 173.5(W) × 32(H) mm

























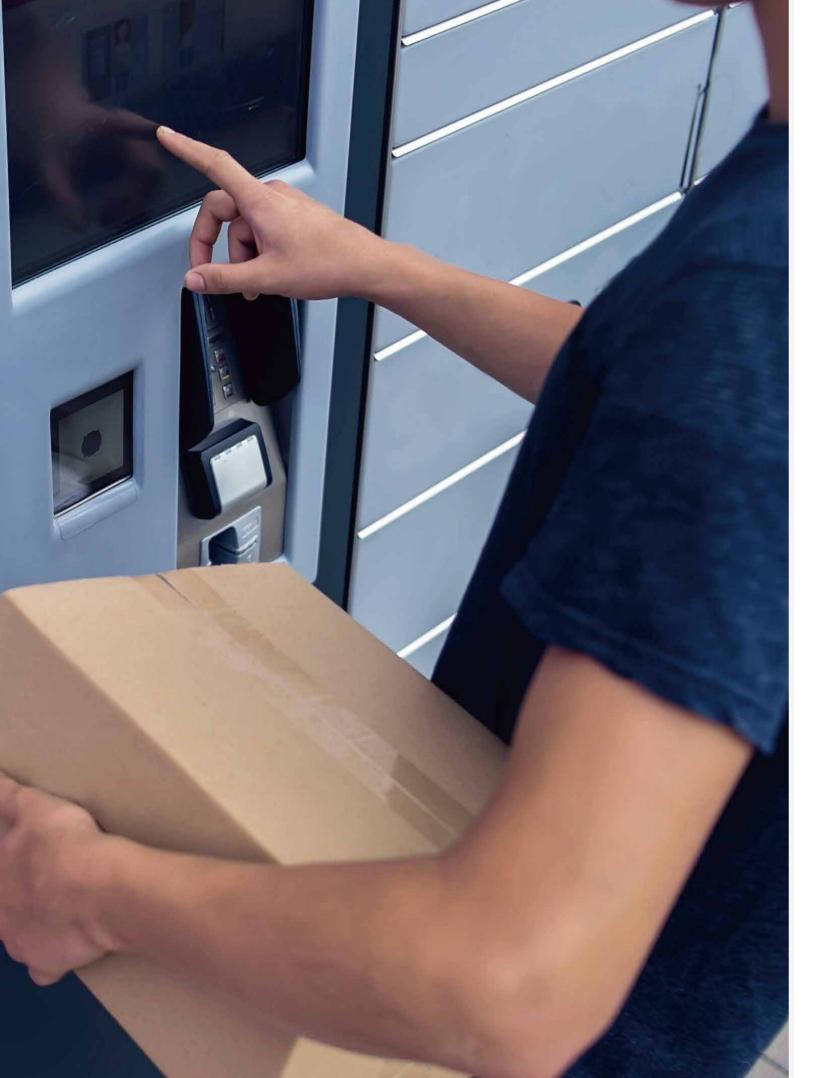












SCAN **ENGINE**











ID CCD TTL232 USB





- Operating temperature: -20°C to 55°C (-4°F to 131°F)

 USB
- Newland's smallest scan engine with decoder
- Size: 21.5(L) x 9.0(W) x 7.0(H)mm



EM1300



- Support 1D barcodes
- Depth of field: 40-430mm
- Up to 300 scans per second
- Operating temperature: -20°C to 60°C (-4°F to 140°F)
- Size: 28.2(L) x 23.4(W) x 11.2(H)mm



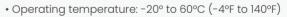














• Optional SR and HD version











- Depth of field: 40mm-110mm
- Ultra Wide Field of View: Horizontal 99°, Vertical 72.4°, Diagonal 109°
- Operating temperature: -20°C to 50°C (-4°F to 122°F)
- Size: 15.5(L)×13.9(W)×9.7(H)mm







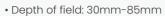


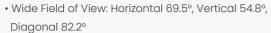


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EM3088-W







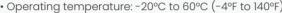
- Operating temperature: -20°C to 60°C (-4°F to 140°F)
- Size: 21.7(L)×14.5(W)×12(H)mm











• Size: 21.8(L) x 15.3(W) x 11.8(H)mm





ID 2D CMOS TTL232













• Size: 21.8(L) x 15.3(W) x 11.8(H)mm

















Depth of field: 60-290mm
Operating temperature: -20°C to 55°C (-4°F to 131°F)

• Size: 21.5(L) x 15.3(W) x 11.8(H)mm





















• Size: 21.7(L) x 14.7(W) x 11.9(H)mm



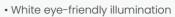


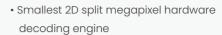












- Acuscan: accurate "point-to-read" feature
- Size: 21.5(L) x 10.2(W) x 8.6(H)mm











• Support 1D and 2D barcodes



- Optimized to read on-screen barcodes
- Operating temperature: -40°C to 65°C (-40°F to 149°F)
- Size: 61.5(L) x 65.5(W) x 31.9(H)mm

















• Operating temperature: -20°C to 60°C (-4°F to 140°F)



• Size: 61.5(W) x 65.5(D) x 18.3(H)mm



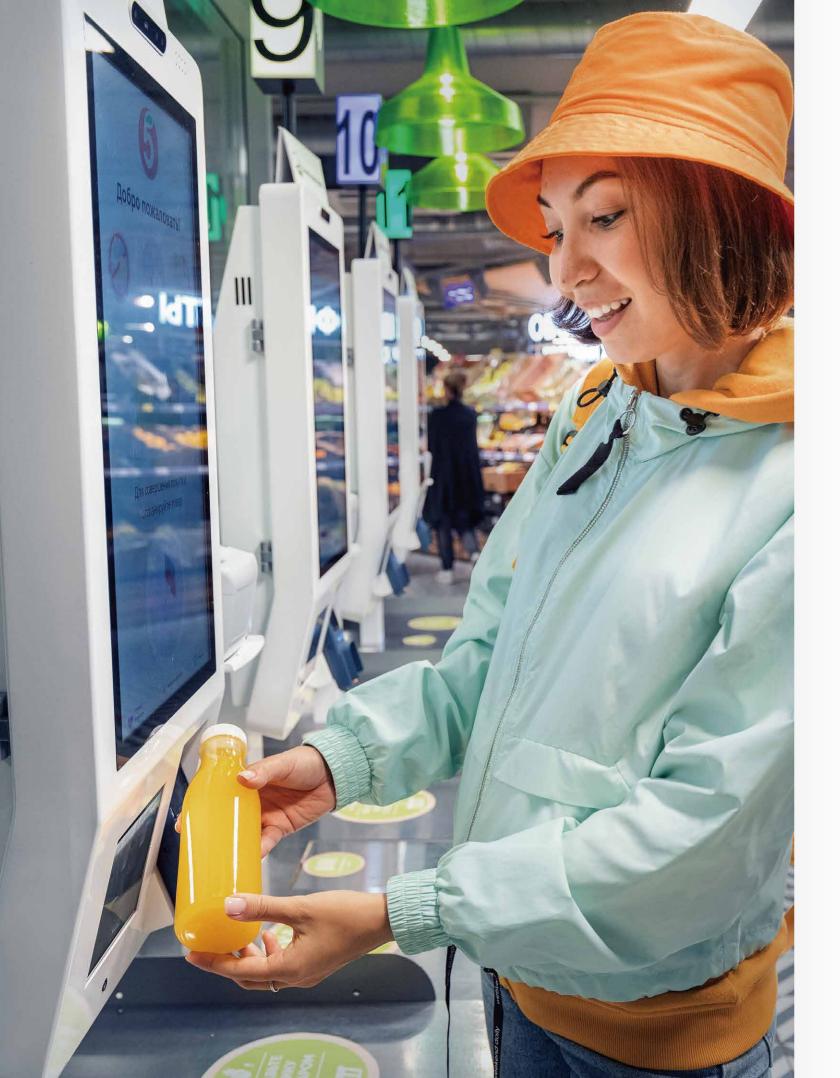












FIXED MOUNT SCANNER





- Support 1D barcodes
- Depth of field: 40-430mm
- Ideal for integration into self-service kiosk
- Size: 37.0(L) x 49.0(W) x 26.0(H)mm



















- Support 1D and 2D barcodes
- Scan window: 50 x 50 mm
- Optimized to read on-screen barcodes
- Flush mount: integrates easily into kiosks or counter • Illumination color can be changed to suit a variety of purposes
- Size: 78.7(L) x 67.7(W) x 47.5(H)mm





- Improved sensitivity with the combination of IR and light sensors
- Optimized to read on-screen barcodes
- Size: 78.7(L)×47.7(W)×67.7(H)mm











- Support 1D and 2D barcodes
- Improved sensitivity with the combination of IR and light sensors
- Multiple interface: USB/RS232/RS485/Wiegand
- NFC version available
- Optimized to read on-screen barcodes
- Size: 78.7(L)×47.7(W)×67.7(H)mm

















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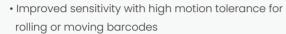
- Support 1D and 2D barcodes
- Depth of field: 55-360mm
- Improved sensitivity with the combination of IR and light sensors
- White illumination with laser diode or green LED aimer
- Acuscan: accurate "point-to-read" feature
- Optimized to read on-screen barcodes
- Size: 41.5(L) x 49.5(W) x 24.3(H)mm

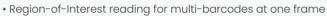












• Size: 41.5(L) x 49.5(W) x 24.5(H)mm







- Fast motion tolerance 2m/s
- Middle-sized scanning window (96mm*76mm)
- Ideal for integration into self-service kiosk
- Size: 114(W) × 46(H) × 94(D)mm

















- Ultra-fast motion tolerance 3.5m/s
- Large-sized scanning window (118mm*97mm)
- Ideal for integration into self-service kiosk
- Size: 149(L) × 78.5(W) × 166.5(H)mm













INDUSTRIAL FIXED MOUNT SCANNER



- Support 1D and 2D barcodes
- Excellent DPM decoding capability
- Flexible I/O configuration
- High-protection industrial structure design
- Equipped with auto train function
- Ideal for track and trace on the industrial manufacturing production line
- Size: 45(L)×51(W)×25(H)mm



Soldier 300

- Support 1D and 2D barcodes
- Excellent DPM decoding capability
- Advanced liquid auto focus technology
- High-protection industrial structure design
- Integrated Ethernet /RS232/USB interface, and support IO port input and output
- Size: 45(L)×59.2(W)×25(H)mm

• Support 1D and 2D barcodes

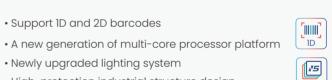




















• Newly upgraded lighting system

- Multiple interface: RS-232, RS485, USB, TCP/IP, UDP, FTP, Modbus, Ethernet/IP, Profinet
- Multiple models meet multiple scenarios

• High-protection industrial structure design

- Rich communication interface
- Size: 61(L)×52.1(W)×100.9(H)mm



CMOS











SCANNING MADE SIMPLE

LABEL PRINTER



- Support 1D and 2D barcodes
- Ergonomically designed, one-hand printer
- High protection IP 42 and 1.5m drop
- Up to 76mm/s printing speed
- Max. print width: 72mm
- Reliable print head
- Suggestions: retail, logistics, field mobility, etc.
- Size: 109(L) x 105(W) x 51(H)mm, weight: 330g







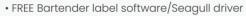














- Max. print width: 108mm
- All-in-one communication interface (RS-232, USB, LAN)
- Thick-film print head technology
- Suggestions: logistics, transportations, etc.
- Size: 278(L) x 218(W) x 185(H)mm, weight: 2.3kg

















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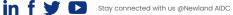
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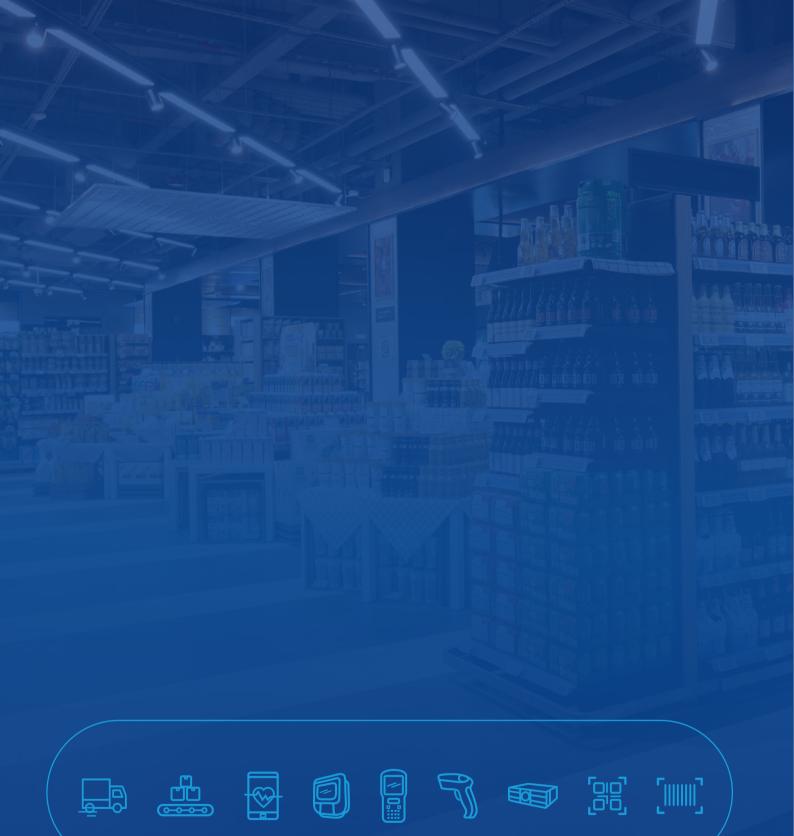
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