

BARCODE SCANNING SOLUTIONS

FOR MANUFACTURING

www.newlandaidc.com



Newland AIDC
Scanning Made Simple

Harnessing Real-Time Information and Auto Identification Technologies for Manufacturing Efficiency

Real-time information is crucial in manufacturing, providing immediate visibility for agile decision-making and responsiveness. It optimizes the manufacturing process including Work-in-Process (WIP) tracking, production inspection, inventory management, and supply chain coordination. Auto identification technologies like barcode scanning enable seamless data capture, eliminate manual entry, reducing errors, and ensuring reliable tracking, traceability, quality control, and regulatory compliance in manufacturing.



Electronics Manufacturing



Automobile Manufacturing



Food, Drug & Cosmetics

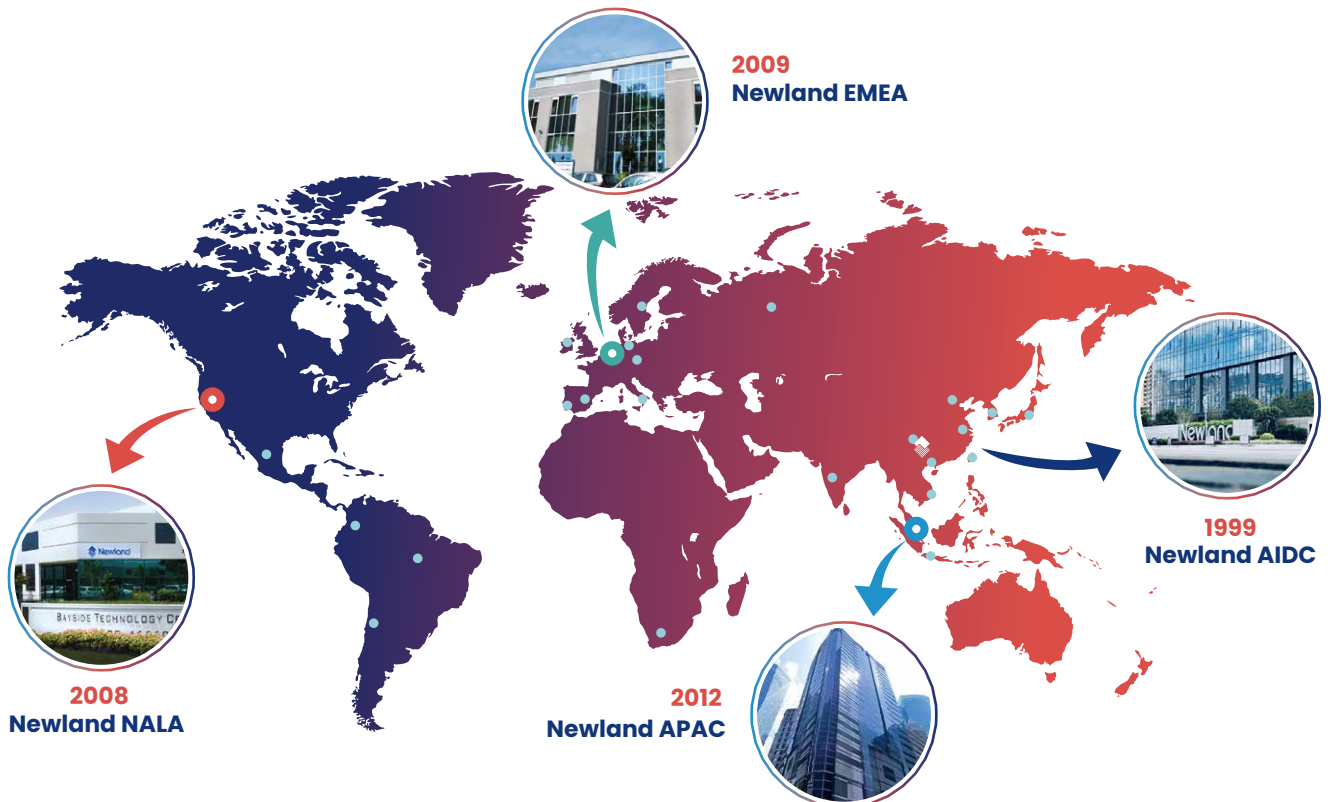


Metal Manufacturing



Newland AIDC has established a comprehensive value chain in auto identification technologies, offering a wide range of products from OEM scan engines to complete devices. Our portfolio includes barcode scanners, mobile terminals, interactive kiosks, and system applications designed to enhance collaboration and efficiency across the manufacturing industry.

Our industrial portfolios cater to diverse barcode scanning needs, spanning from entry-level to professional-level options. We prioritize reliable performance and cost-effectiveness across stationary setups and high-speed, high-resolution scenarios. Leveraging advanced AI technologies, our products deliver precise barcode positioning and decoding in complex environments. They can also be enhanced with OCR capabilities for increased versatility and quick iteration. With a specific focus on electronic components, auto parts and metal processing, we continuously improve DPM code recognition, ensuring accurate scanning in challenging conditions.



Industrial Barcodes



Low Contrast Barcode



Dot Matrix Barcode



Metal Laser Barcode



Stained Barcode



Curved Surface Barcode



Expanded Barcode



High Density Barcode



Distorted Barcode



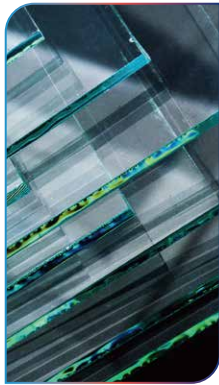
Blurred Barcode



Electronic PCB Barcode



Electronic Component Barcode



Glass Panel Barcode



Product Packaging Barcode



Electronic Component Tray and Assembly Barcode

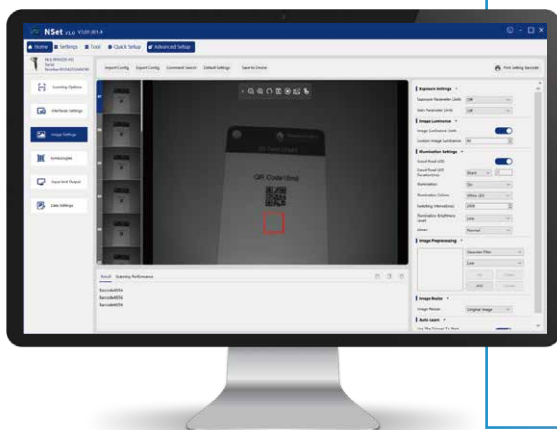


New Energy Battery Barcode

Genius Industrial Barcode Algorithm

Newland's Genius image technology comprises photoelectric image acquisition, intelligent image recognition and decoding, high-performance embedded computing, and application development interface technologies. With this comprehensive technology stack, Newland drives advancements in barcode decoding, covering various types such as paper, etched, engraved, and printed barcodes. Additionally, the technology facilitates the development of innovative applications.

To further empower enterprises, we offer advanced software kits, including Nset, EasySet, EasyConnect, and our exclusive Mobile Device Management (MDM) software, Ndevor. These software solutions facilitate real-time, accurate data transmission and visualization, enabling businesses to maximize their operational capabilities.



Nset, Newland offers exclusive software for its industrial portfolio, which streamlines configuration with one-button self-learning image settings. Real-time image feedback enhances convenience, while the intelligent Barcode Tool simplifies configuration and product selection. Additionally, batch operations enable efficient firmware updates and configuration comparisons across devices. Experience a simplified and efficient barcode reader setup with our software.





NVH220 Series



NVH300 Series



BS50



N7-DP



WD1



URF520



Soldier300



Soldier180



NVF230

INDUSTRIAL SOLUTION

Product & Software Ecosystem



Ndevor



Easyconnet



Nset



Easynet

NVH220 Series

Handheld Industrial Scanner

◦ **Corded
Cordless**



◦ **AI**
function

◦ **1.8m**
Concrete Drop

◦ **IP64**
sealing

Specifications

- Support 1D and 2D barcodes
- Excellent DPM decoding capability
- AI 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

NVH300 Series

Handheld Industrial Scanner

◦ **Ruggedized**
housing



◦ **IP64**
sealing

◦ **Excellent
DPM**
decoding capability

Specifications

- 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

NVH300B

Bluetooth Industrial Scanner

◦ **Bluetooth
5.0**



◦ **IP54**
sealing

◦ **Excellent
DPM**
decoding capability

Specifications

- Support 1D and 2D barcodes
- Excellent DPM Decoding Capability
- Advanced Illumination system
- Intelligent Light Selection & Rich Configuration Functions
- Wireless Connectivity
- Suggestion: automobile, electronic, healthcare, etc.
- Ideal for track and trace on the industrial manufacturing production line

NVF230 Fixed Mount Industrial Scanner

Specifications

◦ **Intelligent**
learning

◦ **IP54**
sealing

◦ **Excellent DPM**
decoding capability

- 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

◦ **Metal Bracket**

Compatible Accessories

Default Stock Keeping Unit



CBL-0247R
3 in 1 Cable(USB/RS232/IO)
(2 Meters)

R122-0501500ID
Power Adaptor with US/EU/UK Plugs
(1.8 Meters)

Optional Stock Keeping Unit



CBL-0158R
RS232 Cable
(2 Meters)

R122-0501500ID
Power Adaptor with US/EU/UK Plugs
(1.8 Meters)

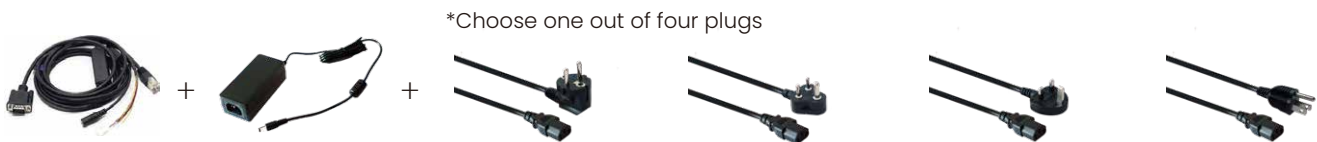


CBL-0193R
USB Cable with IO
(2 Meters)



CBL-0194R
USB Cable
(3 Meters)

Ethernet Stock Keeping Unit



NLS-CE100
Ethernet Cable
(3 Meters)

R481-2401500ZP
Power Adaptor
(1.5 Meters)

CBL-3PEU-S18
European Power plug
(1.8 Meters)

CBL-3PIN-S18
Indian Power plug
(1.8 Meters)

CBL-3PUK-S18
UK Power plug
(1.8 Meters)

CBL-3PAM-S18
American Power plug
(1.8 Meters)

*Choose one out of four plugs

Optional Accessories



NLS-OP200
Diffuser



NLS-OM100
Magnifier



NLS-OR20N
Reflector

SOLDIER180 Fixed Mount Industrial Scanner

◦ Auto-learning

◦ IP65 sealing

◦ 1.5m drop



◦ Metal Bracket

Specifications

- Support 1D and 2D barcodes
- Excellent DPM decoding capability
- Advanced liquid auto focus technology
- High-protection industrial structure design
- Interface USB, RS232, TCP/IP, UDP, FTP, Modbus, Ethernet/IP, Profinet
- Size: 45(W) × 59.2(D) × 25(H) mm (max.), weight: 192g

Compatible Accessories

Default Stock Keeping Unit



CBL-0220R
Ethernet cable
(5 Meters)

+



CBL-0231R
3 in 1 Cable (USB/RS232/IO)
(3 Meters)

+



R481-2401500ZP
Power Adaptor
(1.5 Meters)

+

*Choose one out of four plugs



CBL-3PEU-S18
European Power plug
(1.8 Meters)



CBL-3PIN-S18
Indian Power plug
(1.8 Meters)



CBL-3PUK-S18
UK Power plug
(1.8 Meters)



CBL-3PAM-S18
American Power plug
(1.8 Meters)

Optional Accessories



NLS-OD100
Diffuser



NLS-OM100
Magnifier



NLS-OR20S
Reflector

SOLDIER300 Fixed Mount Industrial Scanner

◦ Multiple interface

◦ IP67 sealing

◦ 1.5m drop



◦ Metal Bracket

Specifications

- Support 1D and 2D barcodes
- A new generation of multi-core processor platform
- Newly upgraded lighting system
- High-protection industrial structure design
- Fast and rich configuration method
- Multiple interface: RS-232, RS485, USB, TCP/IP, UDP, FTP, Modbus, Ethernet/IP, Profinet
- Multiple models meet multiple scenarios
- Size: 61(L) × 52.1(W) × 100.9(H) mm



Soldier300W



Soldier300N



Soldier300S

Compatible Accessories

Default Stock Keeping Unit



CBL-0220R
Ethernet cable
(5 Meters)

+



CBL-0231R
3 in 1 Cable (USB/RS232/IO)
(3 Meters)

+



R481-2401500ZP
Power Adaptor
(1.5 Meters)

+

*Choose one out of four plugs



CBL-3PEU-S18
European Power plug
(1.8 Meters)



CBL-3PIN-S18
Indian Power plug
(1.8 Meters)



CBL-3PUK-S18
UK Power plug
(1.8 Meters)



CBL-3PAM-S18
American Power plug
(1.8 Meters)

Optional Accessories



NLS-OD300
Diffuser



NLS-OPF300
Polarizer



NLS-OM300
Magnifier

MT67

Mobile Terminal

Specifications

◦ **Android 11**

◦ **Bluetooth 5.0**

◦ **4.0 inch**
Screen Size

◦ **4G / Wi-Fi**

◦ **IP65**
sealing

- Build on Octa-core, 4GB RAM + 64GB ROM
- Megapixel scan engine
- Replaceable Battery 4800mAh
- 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

Compatible Accessories



Pistol Grip Trigger
NLS-PG67



Single Slot/4-Slot
Charging Cradle



4-Slot Battery
Charging Cradle

MT93

Mobile Terminal

◦ **5.5" inch**
Full-Screen

◦ **IP67**
Sealing

◦ **Fast Charge**



◦ **Android 13**

◦ **Bluetooth 5.2**

◦ **WiFi 6**

◦ Full Accessory
Ecosystem

Specifications

- Build on Octa-core, 2.2GHz, 4GB RAM + 64GB ROM
- Multi-point capacitive touchscreen with Gorilla Glass
- Replaceable battery 5000mAh
- 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

Compatible Accessories



MPG93



4-slot Cradle



4-slot Battery Charging Cradle

MT95

Mobile Terminal

◦ **6.1 inch**
Full-Screen Display

◦ **IP67**



◦ **Android 11**

◦ Full Accessory
Ecosystem

◦ **Bluetooth 5.2**

Specifications

- Build on Octa-core, 2.2GHz, 4GB RAM + 64GB ROM
- Multi-point capacitive touchscreen with Gorilla Glass
- Replaceable battery 6000mAh
- 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

Compatible Accessories



MPG95



Single-slot Charging Cradle



4-slot Charging Cradle



4-slot Battery Charging Cradle

N7

Mobile Terminal

◦ **Ruggedized**
housing



◦ **IP65**
sealing

Specifications

◦ **1.8m**
Concrete Drop

- Build on Octa-core, high-performance processor
- 4GB RAM + 64GB ROM
- Battery 5100mAh
- Optional accessories: pistol grip, wrist lanyard, single charging cradle (assembled to up to 4 slots), 4-slot spare battery charging cradle
- Suggestion: warehouse management, inventory, etc.
- Size: 200.0(L) × 70.0(W) × 24.0(H)mm, weight: 360g
- Google Android Enterprise Recommended (AER) certified

Compatible Accessories



Pistol Grip Trigger
NLS-PGN7



Single Slot
Charging Cradle



4-Slot
Charging Cradle



4-Slot Battery
Charging Cradle

N7-DP

Mobile Terminal

◦ **Ruggedized**
housing



◦ **IP65**
sealing

Specifications

◦ **1.5m**
Concrete Drop

- Superior DPM Barcode Reading Performance
- Build on Octa-core, 4GB RAM + 64GB ROM
- Faster Transmission Rate with WIFI AC Band
- Excellent Grip, Rugged and Durable
- Industrial Capacitive Touch Screen, ultra HD display Experience
- Super-large capacity battery and support fast charging

Compatible Accessories



Single Slot
Charging Cradle



4-Slot
Charging Cradle



4-Slot Battery
Charging Cradle

WD1

Enterprise Smart Watch



Specifications

- Build on Quad-core, 3GB RAM + 32GB ROM
- 13 megapixels camera, support 1D&2D barcodes scanning
- Battery 3300mAh
- 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

BS50

Glove Scanner



Specifications

- Support 1D and 2D barcodes
- Depth of field: 60-850mm
- Support iOS / Android / Windows
- Via Bluetooth 5.0 BLE/HID connection
- EasyConnect
- Optional for Gloves (Size SM/L, Left/Right)
- Optional for 2-slot charging cradle (Can be assembled up to 10-slots charging station)
- Communication Distance: 80m/262ft
- 10 hours of continuous operation (depending on the application and environmental conditions)
- Size: 58.8(L) × 48.8(W) × 18(H)mm, weight: 43g

URF520

Fixed RFID Reader

◦ **Plug & Play**

◦ **Standard
4 antenna**
ports

◦ **8 Antennas**
Optional



Specifications

- Support Multiple Antennas
- Easy to Install and Use
- Multi-power supply
- Easy setting
- Various Interface Available
- Size: 227(L) × 166(W) × 42(H)mm, weight: 1.5 kg

LP410

Desktop Label Printer

◦ **150mm/s**
print speed

◦ **108mm**
print width



◦ **Bartender**
Ultra lite (free)

Specifications

- Support 1D and 2D barcodes
- Free Bartender label software/Seagull driver
- Up to 150mm/s (6 IPS) printing speed
- 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



Newland AIDC


Scanning Made Simple



CONTACT US

Newland AIDC

 No.1 Rujiang West Rd., Mawei, Fuzhou, Fujian 350015, China

 +86-591-83979500

 info@newlandaidc.com

 www.newlandaidc.com

Asia Pacific

Singapore:

Add: 6 Raffles Quay #14-06 Singapore 048580

Tel: +86 591 83979500

Email: info@newlandaidc.com

India:

Add: No. 309-311, 3rd Floor, Tower B, NOIDA ONE business park B 8, Block B, Industrial Area, Sector 62, Noida, Uttar Pradesh 201309

Tel: +91-120-3201449/50/51/52

Email: info@newlandaidc.com

Indonesia:

Add: Eightyeight@kasablanka Tower A 12th Floor Unit A&H, Jl. Casablanca Raya Kav. 88, Jakarta Selatan 12870

Tel: +62 21 3950 5400

Email: info@newlandaidc.com

Japan:

Add: Room 407 Area Shinagawa Building 13th Floor, 9-36 Konan 1-chome, Minato-ku, Tokyo, Japan 108-0075

Tel: +81 03 4405 3222

Email: info@newlandaidc.com

Korea:

Add: Biz. Center Best-one, Jang-eun Medical Plaza 6F, Bojeong-dong 1261-4, Kihung-gu, Yongin-City, Kyunggi-do, South Korea

Tel: +82 10 8990 4838

Email: info@newlandaidc.com

Taiwan:

Add: 7F-6, No. 268, Liancheng Rd., Jhonghe Dist. 235, New Taipei City, Taiwan

Tel: +886 2 7731 5388

Email: info@newlandaidc.com

Vietnam:

Tel: +84 909 345 375

Email: info@newlandaidc.com

Europe & Middle East & Africa

Add: Rolweg 25, 4104 AV Culemborg, The Netherlands

Tel: +31 (0) 345 87 00 33

Email: sales@newland-id.com

Tech Support: tech-support@newland-id.com

Web: www.newland-id.com

North America

Add: 46559 Fremont Blvd., Fremont, CA 94538, USA

Tel: +1 510 490 3888

Email: info@newlandaidc.com

Latin America

Tel: +1 239 598 0068

Email: info@newlandaidc.com

Chile:

Tel: +56 9 9337 3177

Brazil:

Tel: +55 35 9767 6078

Colombia:

Tel: +57 319 387 4484

Mexico, Central America & Caribbean:

Tel: +52 155 5432 9079



Stay connected with us @Newland AIDC

Why Newland AIDC

Technology

- Over 20 years R&D experiences on barcode scanning
- Inventor of decoding chips
- Exclusive UIMG scanning technology
- Developed the most comprehensive family of scan engines

Diverse Product Portfolio

- Scanners: from 1D to 2D, from corded to cordless, from handheld to handsfree & companion
- Mobile Terminal: from full touch to the keypad
- From paper label reading to screen barcode & DPM reading
- The best price-performance product across all industries

Flexibility

- From finished products to customized products to address various market requirements
- Direct technical support and services
- 'Time to the market' OEM solutions for building your own brand or devices

Newland AIDC

✉ info@newlandaidc.com

🌐 www.newlandaidc.com



LinkedIn



Official Website