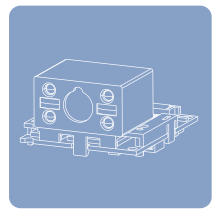




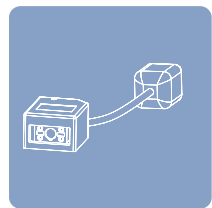
# Newland

**SCANNING MADE SIMPLE**

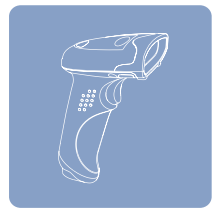
OEM Scan Engines



Stationary Scanners



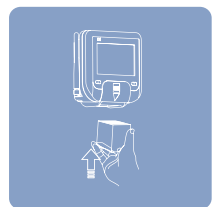
Handheld Scanners



PDA's and Symphones



Customer Information Terminals





# Newland

Fujian Newland Auto-ID Tech. Co., Ltd.



## Fujian Newland Auto-ID Tech.Co., Ltd.

Newland Auto-ID was founded in August, 1999 as a wholly-owned subsidiary of Newland Computer (Stock code: 000997). It is specialized in the manufacturing, R&D and trading of data capturing and processing devices.

With its main focus on 2D barcodes and related chip technology, Newland Auto-ID has obtained fully independent technology at international standards in barcode capturing and processing. The intellectual properties of Newland Auto-ID have formed an increasingly sophisticated system of patents, copyrights and trademarks. In China, Newland Auto-ID has established close cooperation with many domestic system integrators and independent software vendors.

As a provider of imaging solutions, Newland Auto-ID is not only an industrial leader in China, but has an ever expanding global sales and service network. Through constant hard work and dedication to design and innovation, Newland has quickly become a competitive global player.



# Newland

Newland Europe B.V.



## Newland EMEA

Newland EMEA is a full subsidiary of Fujian Newland Computer Co. Ltd, founded in January 2009 in the Netherlands. As Newland EMEA, we are dedicated to the deployment and development of the parent group technology in Europe, the Middle East and Africa.

Our focus is making advanced AIDC technology available to the international market. We are fully committed to providing reliable, quality products and services that make barcode scanning affordable and simple.

In accomplishing this solution driven approach, flexible and responsive customer relations are of invaluable strategic importance to us. Newland regional branch offices and partners are committed to serve customer demands in the best possible way on a daily basis.

On behalf of the Newland Group, your cooperation with us is greatly appreciated. Our development is unthinkable without your support. Together with our partners and customers, Newland will continuously expand and improve its business based on fundamentals of co-creation, win-win and mutual benefit.



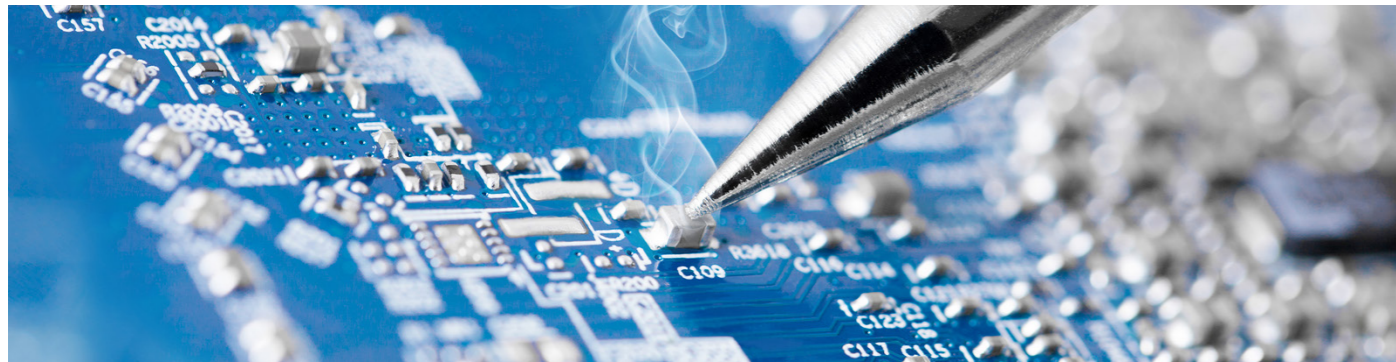
# Core Technology

# Product Overview

## 2D Barcode Decoder Chip

In 2015, Newland launched its third generation 2D barcode decoding chip, which is able to identify all 1D barcodes and all major 2D barcodes. Different from the traditional software based decoding solutions, the 2D barcode decoding chip provides a hardware-based decoding system with highly integrated ASIC. This Newland 2D barcode decoding chip can achieve a significant increase in decoding speed and an immense increase in recognition efficiency. In addition, the power consumption is remarkably reduced. Newland's 2D barcode decoding chip requires less IC footprint and less EE components, which makes integration simpler into any hardware designs.

Newland's third generation 2D barcode decoding chip provides a remarkably cost-effective decoding solution and will stimulate the innovation of applications and business modes in the Internet of Things.



## UIMG® Image Technology

Inspired by market demands, Newland has created UIMG® technology for imager based applications. UIMG® technology's main features include:

- Advanced photoelectric image acquisition.
- Fast image identification and decoding.
- Embedded calculation platform.
- A flexible and easy to use application programming interface.

UIMG® technology enables Newland to deliver tremendous value for money. UIMG® makes fast identification and decoding of 1D and 2D barcodes possible, for just a fraction of the price of a traditional solution. Scanners equipped with UIMG® technology can read from various media like phone displays and identity cards.

## OEM Scan Engines

### EM1300



- Supports 1D barcodes.
- WxDxH: 28.2 x 11.2 x 23.4 mm.
- Depth of field: 40 - 430 mm.
- Up to 300 scans per second.
- Solid state design, no moving parts.

### EM1365 - LD

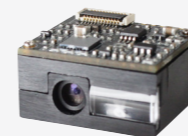


NEW



- Supports 1D barcodes.
- WxDxH: 28.25 x 21.99 x 11.75 mm.
- Depth of field: 55 - 605 mm.
- Up to 300 scans per second.
- Supports USB.
- Solid state design, no moving parts.

### EM1395 - LD



NEW



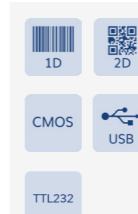
- Supports 1D barcodes.
- WxDxH: 21.57x18.62x11.90mm.
- Depth of field: 50 - 620 mm.
- Up to 300 scans per second.
- Smallest from 1D engines.
- Solid state design, no moving parts.

### EM2028



- Supports 1D and 2D barcodes.
- WxDxH: 30.0 x 35.0 x 19.0 mm.
- Depth of field: 35 - 210 mm.
- Supports RS232 / USB.
- Solid state design, no moving parts.

### EM2037



- Supports 1D and 2D barcodes.
- WxDxH: 20.6 x 13.05 x 12.0 mm.
- Depth of field: 40 - 635 mm.
- Supports micro-USB interface.
- Solid state design, no moving parts.

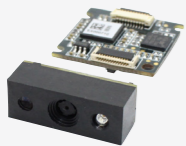
### EM2039



- Supports 1D and 2D barcodes.
- WxDxH: 20.6 x 13.05 x 12.0 mm.
- Depth of field: 50 - 305 mm.
- Supports micro-USB interface.
- Solid state design, no moving parts.



EM2096



NEW



- Supports 1D and 2D barcodes.
- WxDxH: 9.2 × 21.0 × 8 mm.
- Depth of field: 20 - 380 mm.
- The decoder board and the imager can be mounted separately.
- Smallest imager in the range.
- Solid state design, no moving parts.

EM3000



- Supports 1D and 2D barcodes.
- WxDxH: 28.0 × 24.5 × 13.5 mm.
- Depth of field: 40 - 170 mm.
- Intelligent focus technology for quick reading.
- Solid state design, no moving parts.

EM3080



- Supports 1D and 2D barcodes.
- Smallest 2D engine in the range.
- WxDxH: 15.1 × 13.1 × 9.0 mm.
- Depth of field: 45 - 295 mm.
- Solid state design, no moving parts.

EM3090



NEW



- Supports 1D and 2D barcodes.
- WxDxH: 28.0 × 24.5 × 13.9 mm.
- Depth of field: 30 - 445 mm.
- Solid state design, no moving parts.

EM3095



- Supports 1D and 2D barcodes.
- WxDxH: 21.17 × 14.6 × 11.52 mm.
- Depth of field: 35 - 340 mm.
- Power consumption only one third of the traditional engine.
- Solid state design, no moving parts.

EM3296 / EM3396



NEW



- Supports 1D and 2D barcodes.
- WxDxH: 21.2 × 14.0 × 11.1 mm.
- Depth of field: 30 - 370 mm.
- Solid state design, no moving parts.
- EM3396 is with laser aimer.

EM20

NEW



A rearmount wide area OEM 2D Imager that can easily be built in anywhere to suit your business environment. The EM20 is ideal for any online to offline scanning, such as loyalty programs.

- Supports 1D and 2D barcodes.
- WxDxH: 61.1 × 65.1 × 43.6 mm.
- Depth of field: 10 - 55 mm.
- Optimized to read barcodes from a mobile phone screen.



Stationary Scanners

FM100



- Supports 1D barcodes.
- WxDxH: 49.0 × 37.0 × 26.0 mm.
- Depth of field: 40 - 430 mm.



FM420



- Supports 1D and 2D barcodes.
- WxDxH: 49.0 × 37.0 × 25.0 mm.
- Depth of field: 35 - 210 mm.



FR20



- Supports 1D and 2D barcodes.
- WxDxH: 111.5 × 127.3 × 94 mm.
- Scan window: 52 × 69 mm.
- Optimized to read barcodes from a mobile phone screen.





FM3050 Grouper



- Supports 1D and 2D barcodes.
- WxDxH: 67.2 × 78.2 × 62 mm.
- Scan window: 38.3 × 60.4 mm.
- Optimized to read barcodes from mobile phone screen.
- Modular design; ideal for integration into kiosks, turnstiles & vending machines.



FM3055 Grouper

NEW

A flush mount scanner that can easily be built in anywhere to suit your business environment. The FM3055 Grouper is ideal for any online to offline scanning, such as loyalty programs.



- Supports 1D and 2D barcodes.
- WxDxH: 67.2 × 78.2 × 52.3 mm.
- Scan window: 31.5 × 46.5 mm.
- Optimized to read barcodes from a mobile phone screen.
- Flush mount.



FM50 Pike

NEW

The FM50 Pike is designed with both a 1D and a 1D+2D scanning engine, allowing it to read an exceptionally large variety of barcodes quickly and easily. This includes wider barcodes.



- Supports 1D and 2D barcodes.
- WxDxH: 51.0 x 76.0 x 28.0 mm.
- Depth of field: 35 - 540 mm.
- Includes 2 Newland scanning engines: 1D and 1D+2D for wider barcodes.



FR4050 Koi / 4060 Akame



- Supports 1D and 2D barcodes.
- WxDxH: 81.0 x 83.0 x 148.0 mm.
- Depth of field: 0 - 250 mm.
- Fixed mount scanner.
- The Akame is the chip-based version of the FR4050 Koi (processor-based).



Handheld Scanners

1D Corded Handheld Scanners

HR1250-70



- Supports 1D barcodes.
- Depth of field: 40 - 655 mm.
- Up to 300 scans per second.
- Very low power consumption (<120mA).



HR100



- Supports 1D barcodes.
- Depth of field: 26 - 400 mm.
- Up to 300 scans per second.



HR11 Aringa

NEW

The HR11 Aringa combines speed, design and Newland's NLDC technology to streamline everyday intensive handheld scanning. The device offers a versatile scanning solution at an affordable price.



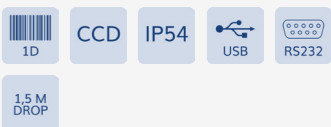
- Supports 1D barcodes.
- Depth of field: 40 - 470 mm.
- Up to 300 scans per second.
- Supports USB / RS232 interfaces.
- 1.2 M drop to concrete.



HR1550-30 Wahoo



- Supports 1D barcodes.
- Depth of field: 26.3 - 465.5 mm.
- Up to 300 scans per second.
- Supports USB / RS232 interfaces.
- 1.5 M drop to concrete.





2D Corded Handheld Scanners

HR200 / 200C Shark



- Supports 1D and 2D barcodes.
- Depth of field: 30 - 240 mm.
- Supports USB / RS232 interfaces.



HR22 Dorada

NEW

The HR22 Dorada provides an easy-to-use data capture solution that allows your business to enjoy the capabilities of the 2D barcode scanner for the price of a 1D scanner.



- Supports 1D and 2D barcodes.
- Depth of field: 25 - 355 mm.
- Supports USB / RS232 interfaces.
- 1.2 M drop to concrete.



HR3290 Marlin

NEW

A perfect balance of good quality and low price. The HR3290 Marlin is a rugged scanner, capable of reading any barcode, even when it is displayed on a mobile phone screen at its lowest brightness level.



- Supports 1D and 2D barcodes.
- Depth of field: 20 - 370 mm.
- Supports USB / RS232 interfaces.
- 1.2 M drop to concrete.



HR3250 Marlin



- Supports 1D and 2D barcodes.
- Depth of field: 18 - 400 mm.
- Supports USB / RS232 interfaces.
- 1.2 M drop to concrete.



Wireless Handheld Scanners

HR1550 CE Wahoo Wireless



- Supports 1D barcodes.
- Depth of field: 26.3 - 456.5 mm.
- Communication Distance ≥ 50m.
- 1.5 M drop to concrete.



HR3290 CS Marlin Wireless

NEW

The HR3290-CS Marlin combines the convenience of a portable wireless device with excellent 1D and 2D barcode scanning and ZigBee networking capabilities.



- Supports 1D and 2D barcodes.
- Depth of field: 30 - 290 mm.
- Communication Distance ≥ 50m.
- Equipped with ergonomic form with anti-slip handle and ruggedized head.
- 1.2 M drop to concrete.



Portable Scanners

BS8060 Piranha Wireless

NEW

A snappy, portable scanner. The BS8060 Piranha is small enough to fit into a pocket and light enough to carry around all day, providing the convenience of always having a scanner at your fingertips.



- 2 devices available with 1D and 1D+2D engines.
- WxDxH: 46.0 x 88.0 x 24.0 mm (pocket scanner).
- Depth of field: 40 - 410 mm.
- Supports Apple iOS, Android and Windows devices.
- Connects to other devices with Bluetooth 4.0 Class 1.



## PDA's and Symphones

### PT980 - II



- Supports 1D and 2D barcodes.
- Marvell XScale PXA270 520MHz CPU.
- 128MB RAM, 128MB ROM.
- Optional WiFi module.

- EOL 1st of August 2017. Possible to order till end of May 2017.



### PT30 Omura

NEW

*The PT30 Omura is a multi-functional, value for money mobile computer. The device runs on Microsoft Windows CE and offers a cost-effective solution with all the features you need to boost productivity.*



- Supports 1D and 2D barcodes.
- 2.83 inch QVGA with backlight TFT Touch screen LCD.
- Marvell XScale PXA310 806MHz CPU.
- 256MB RAM, 128MB ROM, 4G flash memory.
- Certified by SysDev Mobile Computing (Kalipso).



### MT70



- Supports 1D and 2D barcodes.
- 3.5 inch QVGA with backlight TFT Touch screen LCD.
- Marvell XScale PXA310 806MHz CPU.
- 256MB RAM, 128MB ROM, extra 2G flash memory.
- Optional Wifi / Bluetooth / 3G modules.
- Wireless wide area network (WWAN).



### MT65 Beluga II

NEW

*The Beluga II is a reliable solution for various applications including logistics, express delivery, warehouse management, retail chains, food traceability, healthcare, distributor management and more.*



- Supports 1D and 2D barcodes.
- 4 inch WVGA (800×480), capacitive touch screen.
- 1.3GHz Quad Core 64-bit Processor.
- Built on Android 5.1.
- Offers Bluetooth/Dual band WiFi 2.4GHz and 5GHz/4G/3G/GPS/Camera/RFID functionalities.
- Can be used with a pistol grip and a charging cradle.



## Symphones

### Symphone N2S



- Supports 1D and 2D barcodes.
- IPS 3.5 inch WVGA, 480×800 pixel.
- Built on Android 5.1.
- Offers Bluetooth/WiFi/WCDMA/GSM/GPS/Camera.
- Supports gloved fingertip touch input.



### Symphone N5000

NEW

*A consumer-style smartphone design on the outside with enterprise-level PDA features on the inside. The Symphone N5000 is armed with Newland's smallest and quickest 2D scan engine.*



- Supports 1D and 2D barcodes.
- IPS, 5.0 inch qHB, 960×540 pixel.
- Built on Android 5.1.
- Offers Bluetooth/WiFi/WCDMA/GSM/GPS/Camera.
- Supports gloved fingertip touch input.



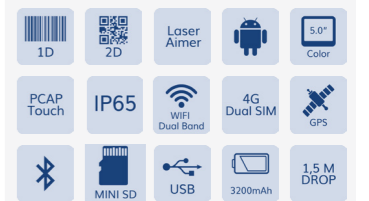
### Symphone N7000

NEW

*Stylish Android smartphone PDA with a high performance 2D scan engine and a bright laser aimer that help you work accurately and efficiently. Supplied with a detachable cover for better protection.*



- Supports 1D and 2D barcodes.
- 5.0 inch HD (1280×720) LCD.
- Built on Android 5.1.
- Quad Core 1.3GHz CPU.
- Bluetooth/4G/Dual SIM/Dual band WiFi/GPS/Camera.
- Supports gloved fingertip touch input.



### Symphone N7000R

NEW

*Extra ruggedized Android Smartphone PDA, with a high performance 2D engine, a bright laser aimer, extended battery life and extra memory capacity.*



- Supports 1D and 2D barcodes.
- 5.0 inch HD (1280×720) capacitive touch screen.
- Built on Android 5.1.
- Quad Core 1.3GHz CPU.
- Bluetooth/4G/Dual SIM/Dual band WiFi/GPS/NFC/Camera.
- Memory of 3GB RAM + 32GB ROM.



# Contact Us

## Customer Information Terminals

### NQuire 200



- Supports 1D and 2D barcodes.
- Display: Blue-White 240\*128 pixels graphical LCD.
- Linux based, also compatible with different OS.
- Transmit data through Ethernet, WiFi.
- Can be used as, e.g. a Price Verifier / Checker or Access Control terminal.



### NQuire 300 Series

NEW

*A small and versatile micro kiosk with 5-point capacitive touch. The NQuire 300 Series offers a straightforward solution for applications like self-service, access control and price checking.*



- Supports 1D and 2D barcodes.
- 4.3" TFT LCD Display with 5-point capacitive touch panel.
- Built on Android 4.4.2.
- Transmit data through Ethernet, WiFi, Bluetooth, RFID.
- Complies with standard VESA 75 brackets enabling easy mounting on shelves and walls.



### NQuire 1000 Manta

NEW

*A commercial grade, multi-functional micro kiosk. Get in touch with your target audience through self-service or use the NQuire 1000 Manta as a low-cost entry-level Android POS.*



- Supports 1D and 2D barcodes.
- 10.1 inch Micro Kiosk, color screen.
- Built on Android 5.1 /Adobe Flash 11.
- External SCR, thermal printer, WiFi, Bluetooth, Coms, POE.
- Mounting possibilities: Foldable desktop stand, VESA magnetic shelf stand, VESA wall mount.
- Memory: 2GB DDR3 / 8 GB eMMC / SD Card slot.



### NQuire Tough Tab 8"

NEW

*Designed to be used in a variety of extreme environments, the NQuire Tough Tab 8" is the perfect tablet to withstand everything that your business can throw at it.*



- Supports 1D and 2D barcodes.
- 8 inch 800 x 1280 pixels, color screen.
- Built on Windows 10 Pro.
- Rugged construction.
- Bluetooth 4.0, a 3G micro-SIM card slot and WiFi.
- Memory: 32GB Internal; up to 128GB External.



### Newland EMEA (EMEA HQ)

www.newland-id.com  
Tel.: +31 (0) 345 87 00 33  
Email: info@newland-id.com



#### Newland UK Branch

Tel.: +44 (0) 1442 212020  
Email: sales@newland-id.co.uk

#### Newland Nordic & Baltic Branch

Tel.: +46 (0) 70 88 47 767  
Email: nordic@newland-id.com

#### Newland Niederlassung D-A-C-H

Tel.: +49 (0) 294 298 76758  
Email: info@newland-id.de

#### Newland Italy Branch

Tel.: +39 (0) 342 0562227  
Email: italy@newland-id.com

#### Newland South Africa Division

Tel. Gauteng: +27 (0) 11 553 8010  
Tel. Cape Town: +27 (0) 21 9140819  
Email: info@newland-id.co.za

#### Newland Ibérica Branch

Tel.: +34 (0) 93 303 74 66  
Email: info@newland-id.es

#### Newland Middle East Branch

Tel.: +39 (0) 345 8804096  
Email: middleeast@newland-id.com

#### Newland France Branch

Tel.: +39 (0) 345 8804096  
Email: info@newland-id.com

#### Newland Russia Branch

Tel.: +31 (0) 345 87 00 33  
Email: russia@newland-id.com



Tel.: +31 (0) 345 87 00 33  
Email: [info@newland-id.com](mailto:info@newland-id.com)  
[www.newland-id.com](http://www.newland-id.com)



Rolweg 25  
4104 AV, Culemborg  
the Netherlands