



1D & 2D

Mobile

Reading





**IP42** 





Visual Feedback

1.5m drop

USB



EasySet

Warranty 5 Years



# **Features**

# Superior self-service scanning from screen

The FR27 Urchin is primarily designed to be easy to use for selfservice scanning from customers' phone screens. A remarkably wide field of view means even the largest codes presented on the largest phone screens are scanned easily.

# Snappy scanning from paper, metal and plastic

Printed barcodes are still used in many applications, so the FR27 Urchin makes sure it can cope with them. It maintains top performance with all types of 1D and 2D codes presented to it on paper, metal and plastic surfaces. Even curved and creased codes pose no challenge.

# Small and stylish

The FR27 Urchin packs all its scanning power into a small, sleek design. Making not only a great space saver but looking good while doing so. The scanner has a smooth and simple finish that blends well with any countertops design from boutique to café.

# Fast scanning with outstanding motion tolerance

The FR27 Urchin has an outstanding 2.7m per second motion tolerance for applications where fast scanning on moving codes is vital. Clearing lines of customers self-scanning or clearing baskets of items at the point of sale, the FR27 gives you more speed than ever before.

## Clear visual feedback

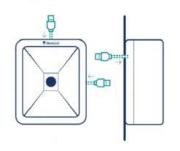
Using soft white illumination to scan barcodes, the FR27 Urchin also utilises its white background to project a green led, indicating a good read. Visual feed-back in a self-service application makes all the difference in giving customers confidence in achieving a successful scan.

# Flexible mounting options

Mindful that the FR27 Urchin can suit access control and kiosk applications, its case has a design that allows you to manipulate the cable for mounting portrait or landscape. It also has threaded fixing points for vertical mounting.

# Suggested industries













Retail

# FR27 Urchin Technical specifications

1D All major 1D symbologies.

2D All major 2D symbologies, including QR Code, Data Matrix, Aztec, Micro PDF, Micro QR, PDF417.

Image Sensor 640x480 CMOS

Illumination White LED

Scan Modes Sense Mode, Continuous Mode

 Depth of Field EAN 13 (13mil)
 20mm-105mm

 Depth of Field PDF417 (6.67mil)
 30mm-40mm

Depth of Field Data Matrix (10mil) 30mm-45mm

Depth of Field QR (15mil) 0mm-85mm

### Performance

Minimal Print Contrast 20%

Scan Angle Roll 360°

Scan Angle Pitch ±75°

Scan Angle Skew ±75°

Field of View Horizontal 68°

Field of View Vertical vertical: 51° diagonal: 84.8°

Motion Tolerance 2.7 m/s

### **Physical**

Dimensions (mm) 66.3(W)x76.3(D)x38(H)mm (max.)

Weight 120g Interfaces USB

Input Voltage 5VDC±5%

Current @ 5VDC Operating 140mA (typical)

Current @ 5VDC Standby 100mA (typical)

Power Consumption 698mW

# Environmental

Ambient Light 0~100,000lux (natural light)

Operating Temperature -20 °C to 60 °C (-4 °F to 140 °F)

Storage Temperature -40 °C to 70 °C (-40 °F to 158 °F)

Humidity 5% to 95% (non-condensing)

Electro Static Discharge (ESD) ±12 kV (air discharge), ±8 kV (direct discharge)

 Drop
 1.5m

 IP Rating
 IP42

# Software

Configuration Tools EasySet

newland-id.com

Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

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# FR27 Urchin Technical specifications

# Certifications Hardware VCCI, RoHS, CE, FCC, RoHS Warranty Standard 5 years

