Newland AIDC
SCANNING MADE SIMPLE

1D & 2D
Mobile Reading
Visual Feedback
IP42
1.5m drop
USB
EasySet
Warranty 5 Years




# FR27 Urchin

Presentation Scanners

## Features

**Superior self-service scanning from screen**
The FR27 Urchin is primarily designed to be easy to use for self-service 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

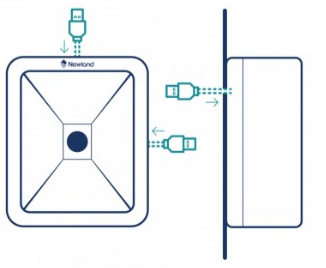
**Fast scanning with outstanding motion tolerance**
The FR27 Urchin has an outstanding 2.7m per second motion tolerance for applications where fast scanning on moving codes is vital. Clearing lines of customers self-scanning or clearing baskets of items at the point of sale, the FR27 gives you more speed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



Available in white on request



## Suggested industries

Retail
Logistics
Hospitality
Entertainment

# FR27 Urchin Technical specifications

## Data Capture

| | |
|---|---|
| 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 DataMatrix (10mil) | 30mm-45mm |
| Depth of Field QR (15mil) | 0mm-85mm |
| Field of View Horizontal | 68° |
| Field of View Vertical | vertical: 51° diagonal: 84.8° |
| Scan Angle Roll | 360° |
| Scan Angle Pitch | ±75° |
| Scan Angle Skew | ±75° |
| Minimal Print Contrast | 20% |
| Motion Tolerance | 2.7 m/s |

## Physical

| | |
|---|---|
| Current @ 5VDC Operating | 140mA (typical) |
| Current @ 5VDC Standby | 100mA (typical) |
| Dimensions (mm) | 66.3(W)x76.3(D)x38(H)mm (max.) |
| Input Voltage | 5VDC±5% |
| Interfaces | USB |
| Power Consumption | 698mW |
| Weight | 120g |

## Environmental

| | |
|---|---|
| Ambient Light | 0~100,000lux (natural light) |
| Operating Temperature | -20℃ to 60℃ (-4°F to 140°F) |
| Storage Temperature | -40℃ to 70℃ (-40°F to 158°F) |

**Newland AIDC EMEA**

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Feel free to contact us or a partner near you

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Specifications are subject to change without notice

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# FR27 Urchin Technical specifications

| | |
|---|---|
| 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 |

## Certifications

| | |
|---|---|
| Hardware | VCCI, RoHS, CE, FCC, RoHS |

## Warranty

| | |
|---|---|
| Standard | 5 years |

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