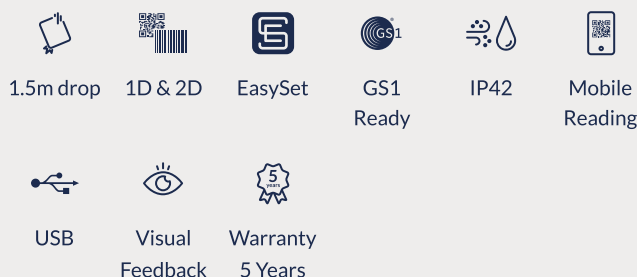




## FR27 Urchin

### 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 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.

**5** Years Full  
Warranty

**EasySet**

# FR27 Urchin

## Data Capture

|                                   |                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------|
| 1D                                | All major 1D symbologies.                                                                     |
| 2D                                | All major 2D symbologies, including QR Code, Data Matrix, Aztec, Micro PDF, Micro QR, PDF417. |
| Depth of Field DataMatrix (10mil) | 30 mm - 45 mm                                                                                 |
| Depth of Field EAN 13 (13mil)     | 20 mm - 105 mm                                                                                |
| Depth of Field PDF417 (6.67mil)   | 30 mm - 40 mm                                                                                 |
| Depth of Field QR (15mil)         | 0 mm - 85 mm                                                                                  |
| Field of View Diagonal            | 84.8°                                                                                         |
| Field of View Horizontal          | 68°                                                                                           |
| Field of View Vertical            | 51°                                                                                           |
| GS1 Ready                         | Yes                                                                                           |
| Illumination                      | White LED                                                                                     |
| Image Sensor                      | 640 x 480 CMOS                                                                                |
| Minimal Print Contrast            | 20%                                                                                           |
| Motion Tolerance                  | 2.7 m/s                                                                                       |
| Scan Angle Pitch                  | ±75°                                                                                          |
| Scan Angle Roll                   | 360°                                                                                          |
| Scan Angle Skew                   | ±75°                                                                                          |
| Scan Modes                        | Sense Mode, Continuous Mode                                                                   |

## Physical

|                          |                              |
|--------------------------|------------------------------|
| Current @ 5VDC Operating | 140 mA (typical)             |
| Current @ 5VDC Standby   | 100 mA (typical)             |
| Dimensions               | 66.3(W) x 76.3(D) x 38(H) mm |
| Input Voltage            | 5 VDC ±5%                    |
| Interfaces               | USB                          |
| Power Consumption        | 698 mW                       |
| Weight                   | 120 g                        |

## Environmental

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Ambient Light                  | 0 to 100,000 lux (natural light)                 |
| Drop                           | 1.5 m                                            |
| Electro Static Discharge (ESD) | ±12 kV (air discharge), ±8 kV (direct discharge) |
| Humidity                       | 5% to 95% (non-condensing)                       |
| IP Rating                      | IP42                                             |
| Operating Temperature          | -20°C to 60°C (-4°F to 140°F)                    |
| Storage Temperature            | -40°C to 70°C (-40°F to 158°F)                   |

## Software

|                     |         |
|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

Certifications

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

Warranty

|                   |         |
|-------------------|---------|
| Warranty Standard | 5 Years |
|-------------------|---------|

Accessories

|                      |           |
|----------------------|-----------|
| Accessories Standard | USB cable |
|----------------------|-----------|

What's in the box?

|              |                                         |
|--------------|-----------------------------------------|
| All versions | FR27 Urchin, 1.5 meter direct USB cable |
|--------------|-----------------------------------------|