



1D & 2D



Fast Motions



Wide Scan Angle



Megapixel



IP52



Dual Interface



EasySet



Warranty
5 Years



FR80 Salmon
Presentation
Scanners

Features

High Motion Tolerance.

The FR80 Salmon can capture EAN codes moving at 3.5 meters per second. This is especially significant for the experienced user at a static point of sale (POS), for quickly processing baskets of goods and reducing check-out queuing.

Large Scan Window.

Its large scan window & small DOF help capture barcodes even when goods are bigger, or the product is being presented very close to the scan window. Another benefit for fast-paced checkouts is that less experienced users don't need to be precise when lining up codes for a successful read.

Comfortable Experience.

The FR80 Salmon's short & long-range illumination and anti-glare are designed for customer-facing applications, such as retail self-service and POS scanning. This prevents user being dazzled by sharp illumination and reflections. Additionally, the FR80 Salmon performs well when scanning off phone-screens.

Superior Scanning Performance.

Packing Newland's top megapixel technology, the FR80 Salmon delivers stunning performance when decoding poor-quality and damaged barcodes, as well as higher density 2D barcodes found on alcohol, tobacco and pharmaceutical products.

Double reading prevention.

The FR80 Salmon uses active sensors that know the difference between a code that's being presented to be read from one that is not. It knows the difference between a deliberate swipe of a code compared to a code being static for longer than the natural decode time out session. This helps prevent accidental misreads of the same barcode twice.

Adding more scanners.

The FR80 Salmon has an RJ connection available, designed to add another scanner. This is particularly useful for capturing codes on bulkier items, especially those not practical for static/conveyor POS or some self-service applications. A customer-facing POS could benefit from a dedicated scanner for loyalty codes, e-vouchers or scan to pay barcodes.

Setting the tone.

The FR80 Salmon gives the user a choice of audible feedback tones and volumes with 2 user-accessible buttons. The buttons can be deactivated as part of a custom config via the user manual or EasySet configuration software.

EAS deactivation.

The FR80 Salmon has an integrated single antenna system for deactivating EAS security tags. Compatible with the major single loop EAS systems, including Checkpoint, the antenna is placed near the scan window for easy use.



Retail

Suggested industries

FR80 Salmon Technical specifications

Data Capture

| | |
|-------------------------------|--|
| 1D | All major 1D symbologies, including EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN 128, RSS, Interleaved 25, ITF 14, ITF 6, Standard 25, Matrix 25, COOP 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, Code 49, Code 16K. |
| 2D | All major 2D symbologies, including PDF417, QR Code, Data Matrix, Micro PDF417, Micro QR. |
| Image Sensor | 1280 * 1088 CMOS |
| Illumination | Red LED (614nm-624nm) |
| Scan Modes | Advanced sense mode |
| Depth of Field EAN 13 (13mil) | 0mm-140mm |
| Field of View Horizontal | 42.4° |
| Field of View Vertical | 36° |
| Scan Angle Roll | 360° |
| Scan Angle Pitch | ±55° |
| Scan Angle Skew | ±50° |
| Motion Tolerance | 3.5m/s |
| Minimal Print Contrast | >15% |

Physical

| | |
|--------------------------|--|
| Current @ 5VDC Operating | 400mA (typical) |
| Current @ 5VDC Standby | <100mA |
| Dimensions (mm) | Without base: 151 (W) x 141.5 (H) x 97.5 (D) mm; With base: 151 (W) x 156.5 (H) x 108.5 (D) mm |
| Input Voltage | 5 VDC±5% |
| Interfaces | RS-232, USB |
| Notifications | Beep, LED indicator |
| Power Consumption | 2W (typical), 2.5W (max.) |
| Weight | 542g (without base), 678g (with base) |

Environmental

| | |
|--------------------------------|--|
| Operating Temperature | -20°C to 50°C (14°F to 122°F) |
| Storage Temperature | -40°C to 70°C (-40°F to 158°F) |
| Humidity | 5% to 95% (non-condensing) |
| Electro Static Discharge (ESD) | ±15 kV (air discharge), ±8 kV (direct discharge) |
| IP Rating | IP52 |

Software

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

Certifications

| | |
|----------|-------------------------------------|
| Hardware | FCC Part 15 Class B, CE EMC Class B |
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Warranty

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

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

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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