Newland
SCANNING MADE SIMPLE

1D & 2D
Fast Motions
Wide Scan Angle
Megapixel
IP52
USB
EasySet
Warranty 5 Years

FR80 Salmon

Stationary 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.

Suggested industries

Retail

FR80 Salmon Technical specifications

Performance	
Image Sensor	1280x1080 CMOS
Illumination	Red LED (614nm-624nm)
Depth of Field EAN 13 (13mil)	0mm-180mm
Minimal Print Contrast	>15%
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±50°
Field of View Horizontal	42.4°
Field of View Vertical	36°
Scan Modes	Advanced sense mode
Motion Tolerance	3.5m/s
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, Chinese Sensible Code, Micro PDF417, GM Code, Micro QR, Code One.
Physical	
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
Weight	542g (without base), 678g (with base)
Interfaces	RS-232, USB
Notifications	Beep, LED indicator
Input Voltage	5 VDC±5%
Current @ 5VDC Operating	500mA (typical)
Current @ 5VDC Standby	<100mA
Power Consumption	2W (typical), 2.5W (max.)
Environmental	
Operating Temperature	-20°C to 50°C (14°F to 122°F)
Storage Temperature	-40℃ to 70℃ (-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
Accessories	
Standard	USB cable used to connect the FR80 to a host device; DC 5V power to power the FR80
Software	
Configuration Tools	EasySet

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visit newland-id.com/partners
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Certifications	
Hardware	FCC Part 15 Class B, CE EMC Class B

Warranty	
Standard	5 years

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