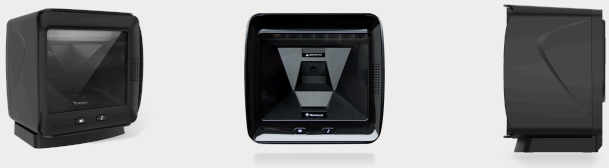
Newland AIDC
SCANNING MADE SIMPLE



FR80 Salmon

Presentation Scanners

1D & 2D
Advanced Scripting
Dual Interface
EasySet
Fast Motions
GS1 Ready
IP52
Megapixel
Warranty 5 Years
Wide Scan Angle



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.

TECHNICAL SPECIFICATIONS

FR80 Salmon

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.
Depth of Field EAN 13 (13mil)	0 mm - 140 mm
Field of View Horizontal	42.4°
Field of View Vertical	36°
GS1 Ready	Yes
Illumination	Red LED (614nm-624nm)
Image Sensor	1280 x 1088 CMOS
Minimal Print Contrast	>15%
Motion Tolerance	3.5 m/s
Scan Angle Pitch	±55°
Scan Angle Roll	360°
Scan Angle Skew	±50°
Scan Modes	Advanced Sense Mode

Physical

Current @ 5VDC Operating	400 mA (typical)
Current @ 5VDC Standby	<100 mA
Dimensions	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
Power Consumption	2W (typical), 2.5W (max.)
Weight	Without base: 542 g, With base: 678 g

Environmental

Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP52
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software	
Configuration Tools	EasySet
Warranty	
Warranty Standard	5 Years
Accessories	
Accessories Optional	USB cable, RS-232 cable, USB-C cable, Multiplug adapter
Accessories Standard	USB cable, Multiplug adapter
What's in the box?	
NLS-FR8080-20	FR80 Salmon, "L" mounting bracket, 3 meter USB cable, Multiplug adapter

Accessories

Charging/Power	ADP100 Power Supply for HR, FR, and FM Series (ADP100)
Cables	CBL0155R Coiled Cable for FR80 Series (CBL0155R) CBL0157R RS232 Cable for FR80 and FM80 Series (CBL0157R) CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U) CBL042UA V5.0 USB Cable for FM, and FR Series (CBL042UA V5.0) CBL127R Cable for FR80 (CBL127R) CBL151U USB Cable for FM80 and FR80 (CBL151U)
Peripherals	EX232 Remora (NLS-EX232-01)

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Feel free to contact us or a partner near you.
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