

FR80 Salmon AI

Präsentationsscanner



Features

AI-Powered Barcode Detection

The FR80 Salmon AI features Newland's UIMG and AI-Powered Barcode Detection technologies. These advanced systems enable rapid, accurate, and reliable decoding of both 1D and 2D barcodes, even when damaged, distorted, reflective, or on curved surfaces. The Salmon uses computer vision and self-learning capabilities to accurately interpret barcodes. It efficiently analyzes images to detect, locate, and read barcodes. The FR80 Salmon AI performs exceptionally well in challenging conditions, providing a dependable scanning solution that operates flawlessly in any situation.

Advanced OCR Technology

The FR80 Salmon AI is equipped with advanced OCR technology, allowing it to scan and accurately extract text from IDs and official documents. This feature makes the Salmon an ideal scanner for applications that require precise data capture, such as border control, age verification in retail, postal sorting facilities, and library check-in and checkout processes.

Status Indicators

The FR80 Salmon AI is equipped with six different status indicators that indicate the scanner's current operating status. These indicators provide information on decoding, configuration, communication, and any abnormal conditions. This feature is particularly valuable in fast-paced settings, such as point-of-sale applications, as it enables users to quickly confirm whether a barcode has been scanned correctly, helping avoid unnecessary delays at checkout.

EAS deactivation.

The FR80 Salmon AI features a built-in single antenna system for deactivating EAS security tags. It is compatible with major single-loop EAS systems, including Checkpoint, and is conveniently placed near the scan window for easy access.

Advanced Multi-Core Processing Platform.

Equipped with a multi-core processing platform, the FR80 Salmon AI delivers powerful computing capabilities, ensuring faster and more stable decoding performance.

Large Scan Window

The FR80 Salmon AI boasts a large scan window, which allows it to capture barcodes even when products are presented very close to the scanner. This large window is particularly beneficial in fast-paced retail environments, as it enables users of all experience levels to scan codes successfully without needing precise alignment of the barcode with the scanner.

Setting the tone.

The FR80 Salmon allows users to select different audible feedback tones and volumes using two easily accessible buttons. These buttons can be disabled as part of a custom configuration via the user manual or EasySet configuration software.

TECHNICAL SPECIFICATIONS

FR80 Salmon AI

Datenerfassung

1D	All major 1D symbologies, including EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code39, 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.
Schärfentiefe EAN 13 (13 mil)	0 mm - 140 mm
Sichtfeld horizontal	42.4°
Sichtfeld vertikal	36°
GS1-kompatibel	Ja
Beleuchtung	Rote LED (612 nm–624 nm)
Bildsensor	1280 x 1088 CMOS
Minimaler Druckkontrast	15%
Bewegungstoleranz	3,5 m/s
Auflösung	≥3mil (1D)
Scan-Winkelabstand	±50°
Scan-Winkelrolle	360°
Scan-Winkelversatz	±50°
Scan-Modi	Erweiterter Erkennungsmodus

Physikalisch

Strom bei 5 V DC Betrieb	280 mA (typical), 500 mA (max.)
Strom bei 5 V DC Standby	155 mA
Abmessungen (mm)	Without base: 151 (W) x141.5 (H) x97.5 (D) mm (max.); With base: 151 (W) x156.5 (H) x108.5 (D) mm (max.)
Eingangsspannung	5 VDC ±5 %
Schnittstellen	USB, RS-232
Benachrichtigungen	Piepton, LED
Stromverbrauch	2W (typical), 2.5W (max.)
Gewicht	549 g (without base), 681 g (with base)

Umwelt

Elektrostatische Entladung (ESD)	±8 kV (direkte Entladung), ±15 kV (Luftentladung)
Feuchtigkeit	5 % bis 95 % (nicht kondensierend)
IP-Bewertung	IP52
Betriebstemperatur	-20 °C bis 50 °C (-4 °F bis 122 °F)

Lagertemperatur	-40 °C bis 70 °C (-40 °F bis 158 °F)
Software	
Konfigurationstools	EasySet
Zertifizierungen	
Zertifizierungen Hardware	FCC Part15 Class B, CE EMC Class B
Garantie	
Standardgarantie	5 Jahre
Zubehör	
Optionales Zubehör	USB-Kabel, RS-232-Kabel
Standardzubehör	Netzteil, Entwässerungskanal, USB-Kabel, Montageplatte
Was ist im Lieferumfang enthalten?	
NLS-FR8080V2-E-U30	FR80 Salmon AI, 3 meter USB cable, EAS antenna, Multiplug adapter

Accessories

Aufladen/Stromversorgung	ADP100 Power Supply for HR, FR, and FM Series (ADP100)
Kabel	CBL0155R Coiled Cable for FR80 and FM80 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)
Peripheriegeräte	EX232 Remora (NLS-EX232-01)