

FM80 Salmon AI

Stationäre Scanner



Features

AI-Powered Barcode Detection

The FM80 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 FM80 Salmon AI performs exceptionally well in challenging conditions, providing a dependable scanning solution that operates flawlessly in any situation.

Advanced OCR Technology

The FM80 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 FM80 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 FM80 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 Sense Mode

The FM80 Salmon AI includes an advanced sensing mode that detects presented barcodes for reading. For each displayed barcode, the scanner initiates a decoding session to prevent multiple readings of the same barcode. This feature helps avoid accidental misreads, thereby reducing time lost during the scanning process.

Mount-Ready Design

The FM80 Salmon AI features six anchor points along the front edge of its window, making it easier to mount and integrate into installations like kiosks. Additionally, a soft inlay surrounds the window's edge, providing a more comfortable fit within enclosures.

Large Scan Window

The FM80 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.

TECHNICAL SPECIFICATIONS

FM80 Salmon AI

Datenerfassung

1D	code 11, Code 128, Code 39, GS1-128 (UCC/EAN128), AIM 128, ISBT 128, CodaBar, Code 93, UPC-A/UPC-E, Coupon, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2/5, Matrix 2/5, Industrial 2/5, ITF-14, ITF-6, Standard 2/5, China post 25, MSI-Plessey, GS1 Composite, GS1 Databar (RSS)
2D	PDF417, QR Code, Data Matrix, Aztec
Schärfentiefe EAN 13 (13 mil)	0mm - 140mm
Sichtfeld horizontal	42.4°
Sichtfeld vertikal	36°
GS1-kompatibel	Ja
Beleuchtung	Rote LED
Bildsensor	1280 x 1088 CMOS
Minimaler Druckkontrast	15%
Auflösung	≥3mil (1D)
Scan-Winkelabstand	±50°
Scan-Winkelrolle	360°
Scan-Winkelversatz	±50
Scan-Modi	Erweiterter Erkennungsmodus

Physikalisch

Strom bei 5 V DC Betrieb	280mA (typical), 800 mA (Max)
Strom bei 5 V DC Standby	155 mA
Abmessungen (mm)	149(W) x 78.5(H) x 166.5(D) mm
Eingangsspannung	5 VDC ±5 %
Schnittstellen	USB-HID, USB-CDC, RS-232, HID-POS, USB
Benachrichtigungen	Piepton, LED
Gewicht	455g

Umwelt

Elektrostatische Entladung (ESD)	±15 kV (Luftentladung), ±8 kV (direkte Entladung)
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
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Garantie

Standardgarantie	5 Jahre
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Zubehör

Optionales Zubehör	Multiplug-Netzteil, USB-Kabel, RS-232-Kabel
Standardzubehör	USB-Kabel

Was ist im Lieferumfang enthalten?

NLS-FM8080V2-E-U30	FM80 Salmon AI, 3 meter USB cable, EAS antenna
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Accessories

Aufladen/Stromversorgung

ADP100 Power Supply for HR, FR, and FM Series (ADP100)

Kabel

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)
CBL151U USB Cable for FM80 and FR80 (CBL151U)

Peripheriegeräte

EX232 Remora (NLS-EX232-01)

Newland AIDC EMEA

Feel free to contact us or a partner near you.
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