ComX Computers
Product Specification Sheet

FM8080-20

Newland FM80 Salmon 2D CMOS Mega Pixel large Window fixed Mount Scanner

Product Overview

Newland FM80 Salmon 2D CMOS Mega Pixel large Window fixed Mount Scanner, 3 meter USB cable, 1280x1080 CMOS image sensor, Red LED illumination, Advanced Sense mode, 3.5m/s motion tolerance







Specifications

Overview:

As shopper expectations are evolving, retailers turn to technology for strong solutions that keep up pace. The FM80 Salmon offers an easily integrated barcode scanner to build into such self-service kiosks or complete POS units. Its large scan window and fool-proof features offer a great solution for self-service kiosks for inexperienced customers. A sky-high motion tolerance for retail codes, combined with our top megapixel scan engine, make for fast and efficient scanning that helps avoid congestion at checkout.

Features:

High Motion Tolerance.
The FM80 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 and small depth-of-field helps capture barcodes even when the goods are bigger, or the product is being presented very close to the scan window. An additional benefit from a large window in fast-paced retail scanning, is that the user, regardless of experience, doesnt need to be precise when lining up a code for a successful read.

Comfortable Experience.
The FM80 Salmons short & long-range illumination and anti-glare are designed for customer-facing applications, such as retail self-service and POS scanning. They prevent the user from being dazzled by sharp illumination and reflections, ensuring a comfortable user experience. Additionally, the FM80 Salmon has a good performance scanning from customer phone-screens.

Mounting and integration.
As a fixed and mountable scanner that is designed to become part of an installation that often requires the scanner to be flush, the FM80 Salmon has 6 anchor points on the front edge of its window. The IP52 rating requires additional protection from the elements for an exposed application. With this in mind, we have added a soft inlay around the edge of the window for a more comfortable fit into some enclosures.

Superior Scanning Performance.
As another example of Newland's megapixel scanning technology, the FM80 Salmon delivers stunning performance on decoding even poor-quality and damaged barcodes. Additional benefits for megapixel scanning enable reliable decoding on the higher density 2D barcodes featured on alcohol, tobacco and pharmaceutical products.

Double reading prevention.
The FM80 Salmon uses active sensors that know the difference between a code thats 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.

Specifications:

© 2021 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	FM8080-20
Performance	
Image Sensor	1280x1080 CMOS
Illumination	Red LED (614nm-624nm)
Depth of Field EAN13 (13mil)	0mm-140mm
Minimal Print Contrast	>15%
Scan Angle Roll	360 degrees
Scan Angle Pitch	+/-55 degrees
Scan Angle Skew	+/-50 degrees
Field of View Horizontal	42.4 degrees
Field of View Vertical	36 degrees
Scan Modes	advanced sense mode
Motion Tolerance	3.5m/s
Data capture	

1D	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, etc.
2D	PDF417, QR Code, Data Matrix, Chinese Sensible Code, Micro PDF417, GM Code, Micro QR, Code One, etc.
Physical	
Dimensions (mm)	149(W)x78.5(D)x166.5(H)mm
Weight	448.3g
Interfaces	RS-232, USB
Notifications	Beep, LED indicator
Input Voltage	5 VDC+/-5%
Current @ 5VDC Operating	500mA (typical)
Current @ 5VDC Standby	
Power Consumption	operating: 2W (typical), 2.5W (max.), standby: 1.25W
Environmental	
Operating Temperature	-20 degreesC to 50 degreesC (14 degreesF to 122 degreesF)
Storage Temperature	-40 degreesC to 70 degreesC (-40 degreesF to 158 degreesF)
Humidity	5% to 95% (non-condensing)
Electro Static Discharge (ESD)	+/-15 kV (air discharge), +/-8 kV (direct discharge)
Sealing	IP52
Accessories	
Standard	USB cable used to connect the FM80 to a host device
Device Management	
Software	EasySet (configuration)
Certifications	
Certifications	FCC Part15 Class B, CE EMC Class B

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/FM8080-20-Newland-FM80-Salmon-2D-CMOS-Mega-Pixel-large-Window-fixed-Mount-Scanner-p-254530.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-14 12:18:25.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.