Newland AIDC
SCANNING MADE SIMPLE



FM415 Bass

Fixed-Mount Scanners

1.5m drop | 1D & 2D | EasySet | Infrared | IP54 | LED Aimer

RS-232 | USB | Warranty 5 Years







Features

Snappy, even in less than perfect conditions
A combination of the IR sensor and the light sensor helps keep workers moving, even in low light conditions. Its strong, white light ensures barcodes are always well lit.

Handsfree or manual scanning
Companies looking for automatic scanning to relieve manual labor can set up the FM415 Bass for hands free scanning. Alternatively, a manual trigger button can be used if preferred.

Intelligent programming
The sensors of the FM415 Bass automatically adjust the brightness of supplementary lighting based on the light that reflects off the barcode. This also makes it an optimal solution for scanning from mobile phone screens. Depending on the application, the scanner can be set to optimally read from close and long distance.

Reliable outdoor use
With an IP rating of 54, this fixed mount scanner can be placed in a housing and used outdoors without worrying about dust or moisture.

5 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

FM415 Bass

Data Capture

1D	Code 128, UCC/EAN-128,AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Standard 25, Codabar, Industrial 25, Code39, Code 93, Code 11, Plessey, MSI-Plessey, GSI-128 (UCC/EAN-128), GSI-DataBarTM(RSS) (RSS-14, RSS-Limited, RSS-Expand), Matrix 2 of 5, Standard 25, Plessey

2D	PDF417, Micro PDF417 QR, Micro QR, DataMatrix, AZTEC, Maxicode
Aiming	Red LED
Depth of Field Code 39 (5mil)	70 mm - 120 mm
Depth of Field DataMatrix (10mil)	50 mm - 120 mm
Depth of Field EAN 13 (13mil)	55 mm - 250 mm
Depth of Field PDF417 (6.67mil)	50 mm - 120 mm
Depth of Field QR (15mil)	25 mm - 190 mm
Field of View Diagonal	31.5°
Field of View Horizontal	42°
Illumination	White LED
Image Sensor	640 x 480 CMOS
Minimal Print Contrast	25%
Scan Angle Pitch	±60°
Scan Angle Roll	360°
Scan Angle Skew	±60°
Scan Modes	Sense Mode, Continuous Mode, Level Mode

Physical

Current @ 5VDC Operating	228 mA (typical),264 mA (max)
Current @ 5VDC Standby	50.0 mA
Dimensions	49(W) x 69(D) x 20(H) mm
Input Voltage	5 VDC ±5%
Interfaces	RS-232, USB
Notifications	Beep
Weight	64.6 g

Environmental

Drop	1.5 m
Electro Static Discharge (ESD)	±14 kV (air discharge), ±8 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP54
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	CE EMC Class B

Warranty

Warranty Standard	5 Years

Accessories

Accessories Optional	Multiplug adapter, USB-C cable, USB cable, RS-232 cable

Accessories Standard	USB cable

What's in the box?

NLS-FM415-U	FM415 Bass, 2 meter USB extension cable CBL026U

Accessories

Charging/Power	ADP100 Power Supply for HR, FR, and FM Series (ADP100)
Cables	CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U) CBL026U USB Cable for FR and FM series (CBL026U) CBL030UA USB Cable for HR, FM, and FR (CBL030UA) CBL036UA USB Cable for HR, FM, and FR Series (CBL036UA) CBL037R RS232 Cable for HR, FR, and FM Series (CBL037R) CBL042UA USB Cable for HR, FM, and FR Series (CBL042UA) CBL042UA V5.0 USB Cable for FM, and FR Series (CBL042UA V5.0)
Peripherals	EX232 Remora (NLS-EX232-01)

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