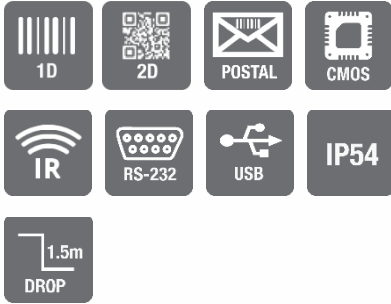


NLS-FM415

Fixed Mount Barcode Scanner



Features

■ UIMG® Technology

Armed with Newland's **UIMG®** technology, the scanner can swiftly and effortlessly decode 1D as well as 2D barcodes.

■ IR/Light Triggers

The combination of IR sensor and light sensor exhibits an improved sensitivity in activating the scanner to scan barcodes as they are presented, to achieve higher throughput and productivity.

■ Automatic Exposure Control (AEC)

The sensor in the NLS-FM415 automatically adjusts the supplementary lighting duration based on the light reflected off barcode.

■ IP54-sealed Housing

The NLS-FM415 is environmentally sealed to an IP54 rating to prevent dust, moisture and other contaminant from entering it.

■ 1.5m Drop Resistance

The scanner withstands multiple 1.5m drops to concrete (for six sides, three drops per side).

Application Scenarios

Self-service cabinets used in e-commerce and express delivery services; ticket validators.

NLS-FM415

SCANNING MADE SIMPLE

Fixed Mount Barcode Scanner

Performance	Image Sensor	640*480 CMOS		
	Illumination	White LED		
	Aiming	Red LED		
	Symbologies	1D	Code128, 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, GS1-128 (UCC/EAN-128), GS1-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	
		Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal	
	Resolution*	≥3mil		
	Typical Depth of Field*	EAN-13	55-250mm (13mil)	
		Code 39	70-120mm (5mil)	
		PDF 417	50-120mm (6.67mil)	
		Data Matrix	50-120mm (10mil)	
		QR Code	25-190mm (15mil)	
	Scan Mode	Sense mode, Continuous mode, Level mode		
	Scan Angle**	Roll: 360°, Pitch: ±60°, Skew:±60°		
	Field of View	Horizontal 42°, Vertical 31.5°		
Min. Symbol Contrast*	25%			
Mechanical/ Electric	Interface	RS-232, USB		
	Dimensions	49(W)×69(D)×20(H)mm		
	Weight	64.6g		
	Notification	Beep		
	Operating Voltage	5VDC±5%		
	Current @ 5VDC	Operating	228mA (typical), 264mA (max.)	
		Idle	50.0mA	
Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)		
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)		
	Humidity	5% to 95% (non-condensing)		
	ESD	±14 kV (air discharge), ±8 kV (direct discharge)		
	Drop	1.5m		
	Sealing	IP54		
Certifications	FCC Part15 Class B, CE EMC Class B			
Environmental	Cable	USB	Used to connect the NLS-FM415 to a host device.	
		RS-232	Used to connect the NLS-FM415 to a host device.	
	Power Adapter	DC5V adapter to power the NLS-FM415 with RS-232 cable.		

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;
2D: QR Code;10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.0

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