

4500-20

Fixed Mount Barcode Scanner



Features

■ Snappy On-screen Barcode Capture

Armed with Newland's sixth-generation of **UIMG®** technology, the scanner excels at reading on-screen barcodes containing large amounts of data.

■ Outstanding Power Efficiency

The advanced **NLD** technology incorporated in the scanner helps reduce the power consumption and prolong the service life of the device.

■ IR Trigger

The IR sensor in the scanner exhibits an improved sensibility in activating the scanner to scan barcodes as they are presented, markedly increasing throughput and productivity.

■ Durable Metal Housing

The scanner uses a durable metal housing, making it ideal for self-service applications.

Application Scenarios

Self-service cabinets used in e-commerce, express delivery services and smart homes; barrier gates; O2O applications.

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NLS-FM3055-3X		NLS-FM3050-3X
Performance	Image Sensor	752*480 CMOS
	Illumination	White LED
	Symbologies	2D: PDF417, Data Matrix, QR Code, Chinese Sensible Code. 1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128 (FNC1, FNC2, FNC3), Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39, Code 11, MSI-Plessey, Plessey
	Resolution*	≥5mil
	Scan Mode	Sense mode, Continuous mode
	Scan Angle**	Pitch: ±40°, Roll: 360°, Skew: ±40°
	Scan Window	31.5mm×46.5mm38.3mm×60.4mm
	Field of View	Horizontal: 75°, Vertical: 50°
	Min. Symbol Contrast*	25%
	Interface	RS-232, USB
Physical/ Electric	Dimensions	78.7(W)×67.7(D)×53(H)mm (max.)78.7(W)×67.7(D)×62.5(H)mm (max.)
	Weight	173g195g
	Notification	Beep
	Rated Power Consumption	534mW (typical)
	Operating Voltage	5VDC±5%
	Current@5VDC	Operating Current: 108mA (typical), 114mA (max.)
Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)
	Storage Temperature	-40°C to 70°C (-4°F to 158°F)
	Humidity	5% to 95% (non-condensing)
	ESD	±8 KV (air discharge); ±4 KV (direct discharge)
Certifications	FCC Part15 Class B, CE EMC Class B	
Accessories	Cable	USB cable: Used to connect the scanner to a host device. RS-232 cable: Used to connect the scanner to a host device.
	Power Adapter	DC5V power adapter to provide power for the scanner 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