

NLS-HR3280

2D Handheld Barcode Scanner



Features

Extensive Data Capture Capabilities

Armed with Newland's six-generation of **UIMG®** technology, the NLS-HR3280 provides the added value of postal barcodes decoding – extending its data capture capabilities.

Durable Construction

The NLS-HR3280, built into an IP42-sealed and drop resistant (1.5m) housing, can stand up to tough environments.

Powerful Data Editing Capability

The scanner allows customizing scanned data with ease and provides supporting software to address diverse application needs.

User-friendly Dual-color Illumination

Designed with the end user in mind, the NLS-HR3280 combines both red and white LEDs, and the ability to use them separately or together to meet the lighting requirements of various applications.

Ideal On-screen Barcode Scanning Solution

The NLS-HR3280 delivers unmatched reading performance for various O2O applications involving on-screen barcodes even when the screen is covered with protective film or set to its lowest brightness level.

Application Scenarios

Retail chains, warehouse management, logistics, manufacturing, express delivery services, food traceability, electricity meter reading, inventory counting, healthcare.

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Performance	Image Sensor	1280×800 CMOS		
	Illumination	Red LED/ White LED		
	Aiming	Green LED		
	Symbolologies	2D	PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc.	
		Postal	USPS Postnet, Royal Mail, KIX Post, Australian Postal, etc.	
		1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.	
	Resolution*	≥3mil		
	Typical Depth of Field*	EAN-13 (13mil)	45mm-510mm	
		Code 39 (5mil)	75mm-220mm	
		PDF417 (6.7mil)	70mm-215mm	
		Data Matrix (10mil)	50mm-220mm	
QR Code (15mil)		20mm-330mm		
Scan Angle**	Pitch: ±55°, Roll: 360°, Skew: ±55°			
Field of View	Horizontal 39°, Vertical 24°			
Min. Symbol Contrast*	25%			
Mechanical/ Electrical	Interfaces	RS-232, USB		
	Dimensions	113.5(W)×73.3(D)×159.0(H)mm		
	Weight	162g		
	Notification	Beep, LED indicator		
	Rated Power Consumption	1289.6mW (typical)		
	Operating Voltage	5VDC±5%		
	Current@5VDC	Operating	238.2mA (typical), 260.5mA (max.)	
		Standby	71.3mA	
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%~95% (non-condensing)		
	ESD	±8 KV (direct discharge); ±15 KV (air discharge)		
	Drop	1.5m		
	Sealing	IP42		
Certifications	FCC Part15 Class B, CE EMC Class B			
Accessories	Cable	USB	Used to connect the HR3280 to a host device.	
		RS-232	Used to connect the HR3280 to a host device.	
	Power Adapter	DC5V power adapter to power the HR3280 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