![Newland logo]

HR4250H

2D Handheld Barcode Scanner

CMOS	1D	2D	POSTAL
USB	RS-232	Laser Aimer	1.8m DROP
IR	IP42		

Features

◨ Extensive Data Capture Capabilities

In addition to excelling at scanning high-density barcodes, the HR4250H also provides the added value of postal barcodes decoding – extending its data capture capabilities.

◨ Ultra-rugged Construction

The HR4250H, built into an IP42-sealed and drop resistant (1.8m) 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 Illumination & Aiming

Designed with the end user in mind, the HR4250H employs highly visible laser aimer to achieve crisp and accurate targeting while using flicker-free white soft illumination to reduce eye strain and fatigue from long-time operation.

◨ IR Sensor

The IR sensor inside the scanner exhibits an improved sensibility in activating the scanner to scan barcodes even when they are presented 40cm in front of it, markedly increasing throughput and productivity.

Application Scenarios

Production control, product traceability, warehouse/ inventory/ distribution/ logistics management and other applications in harsh environment.

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Performance			
	Image Sensor		1280×960 CMOS
	Illumination		White LED
	Aiming		650nm laser diode
	Symbologies	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 25, Standard 25, Matrix 25, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.
	Resolution*		≥3mil
	Typical Depth of Field*	EAN-13	25mm-155mm (13mil)
		Code 39	50mm-100mm (5mil)
		PDF417	40mm-105mm (6.7mil)
		Data Matrix	40mm-110mm (10mil)
		QR Code	35mm-155mm (15mil)
	Motion Tolerance*		2m/s
	Scan Angle**		Pitch: ±50°, Roll: 360°, Skew: ±50°
	Field of View		Horizontal 40.5°, Vertical 30.4°
	Min. Symbol Contrast*		25%
Mechanical/ Electrical	Interfaces		RS-232, USB
	Dimensions		115(L)×74(W)×161(H)mm
	Weight		173g
	Notification		Beep, LED indicator, vibration
	Rated Power Consumption		1251mW (typical)
	Operating Voltage		5VDC±5%
	Current@5VDC	Operating	266mA (typical), 344mA (max.)
		Standby	109mA
Environmental	Operating Temperature		-20℃ to 50℃ (-4℉ to 122℉)
	Storage Temperature		-40℃ to 70℃ (-40°F to 158°F)
	Humidity		5%~95% (non-condensing)
	ESD		±8 KV (direct discharge); ±16 KV (air discharge)
	Drop		1.8m
	Sealing		IP42
Certifications			FCC Part15 Class B, CE EMC Class B
Accessories	Cable	USB	Used to connect the HR42 to a host device.
		RS-232	Used to connect the HR42 to a host device.
	Power Adapter		DC5V power adapter to power the HR42 with RS-232 cable. Output: DC5V, 1.5A Input: AC100-240V, 50-60Hz

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

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

Specifications are subject to change without notice.