Newland
SCANNING MADE SIMPLE

HR20 Panga
handheld barcode scanner

1D | 2D | CMOS | USB | RS232 | IP42 | 1.5M DROP

Only available for Eastern Europe, MEA, Turkey & Iran.

FEATURES

Cost-effective solution.

The HR20 Panga is specifically developed to provide a cost-effective data capture solution that allows customers to enjoy the capabilities of a 2D scanner for the price of a 1D scanner. This without making any compromises on scan performance, ergonomics or design.

Elegant appearance.

Blending ergonomics and aesthetics in its design, the HR20 Panga ensures operator comfort and productivity for intensive handheld scanning. The scanner looks great at any point of sale and is ideal for applications that require both scanning from paper and screen, like mobile payment or customer loyalty.

Durable construction.

The HR20 Panga has an IP42 rating and is drop resistant up to 1.5m. Its durable housing guarantees optimal protection.

Outstanding performance.

Equipped with Newland's third-generation decoder chip, the HR20 Panga can effortlessly capture high-density, highvolume and distorted barcodes printed on paper or displayed on a screen.

Foldable smart stand available.

A foldable smart stand is available either as an accessory or as a set that includes both the scanner and stand.

HR20 Panga with stand.

Application Scenarios

Point of Sale / retail • product traceability • track & trace • healthcare • inventory management • ticket / voucher management • general office automation.

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Performance	Image Sensor		640×480 CMOS
	Illumination		White LED
	Aiming		625nm red LED
	Symbologies	2D	PDF417, QR Code, Data Matrix, Aztec, Maxicode, 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*		≥4mil
	Typical Depth of Field*	EAN-13	60mm-215mm (13mil)
		QR Code	40mm-105mm (15mil)
	Scan Angle**	Pitch	±45°
		Roll	360°
		Skew	±40°
	Field of View		Horizontal 45°, Vertical 34°
	Min. Symbol Contrast*		30%
Mechanical/ Electrical	Interfaces		USB (Standard), RS-232
	Dimensions		101(L)×68(W)×145(H)mm
	Weight		115g
	Notification		Beep, LED indicator
	Rated Power Consumption		0.68W (typical)
	Operating Voltage		5VDC±10%
	Current@5VDC	Operating	136mA (typical), 150mA (max.)
		Standby	55mA
Environmental	Operating Temperature		-20℃ to 50℃ (-4°F to 122°F)
	Storage Temperature		-40℃ to 70℃ (-40°F to 158°F)
	Humidity		5%~95% (non-condensing)
	ESD		±8 KV (contact 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 HR20 to a host device.
		RS-232	Used to connect the HR20 to a host device.
	Power Adapter		DC5V power adapter to power the HR20 with RS-232 cable.

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

Version: V1.0

**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.

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