



1d

2d

cmos

ip42

1.2m drop

usb



rs232


HR20 Panga
 handheld scanners

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, high volume 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.

Application scenarios.

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



Application Scenarios



healthcare



hospitality



point of sale



retail

HR20 Panga technical specifications

Performance	Processor	1GHz,X1500
	Image Sensor	CMOS 640*480
	Illumination	White LED
	Aiming	Red LED (625±10nm)
	Depth of Field EAN13 (13mil)	60-215mm
	Depth of Field QR (15mil)	40-105mm
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Scan Angle Pitch	±45°
	Scan Angle Skew	±50°
	Field of View Horizontal	45.6°
	Field of View Vertical	34.2°
	Scan Modes	Trigger(Level,Pulse), Sense, Continuous Mode
	Scan Rate	60 frames per second
Data capture	1D	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, UCC/EAN128, I2Of5, ITF14,ITF6, Matrix 25, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25,Standard 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K
	2D	PDF417, QR Code, Micro QR, Data Matrix, Aztec, Maxicode,Chinese Sensible Code, GM Code, MicroPDF417, Code One
Physical	Dimensions (mm)	145×101×68mm
	Weight	115g
	Material	PC,ABS
	Buttons	Trigger
	Interfaces	RS-232, USB,PS2
	Notifications	Beep, LED indicator
	Input Voltage	5VDC±5%
	Current @ 5VDC Operating	165.8mA (typical), 170.2mA (max.)
	Current @ 5VDC Standby	58.6mA
	Power Consumption	794.2mW (typical)
	Power Supply Input	DC5V, 1.5A
	Power Supply Output	AC100~240V, 50~60Hz
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)
	Electro Static Discharge (ESD)	±8 KV (direct discharge); ±15 KV (air discharge)
	Drop	1.2m
	Sealing	IP42
Accessories	Optional	RS232 Cable,Adapter,Stand
	Standard	USB Cable
Certifications	Certifications	CE,FCC,RoHS