Newland AIDC
SCANNING MADE SIMPLE

1D & 2D | CMOS | USB | 1.5m drop | IP42



HR2081 Panga III

Handheld Scanners

Features

Outstanding Performance.

The HR2081 Panga III is equipped with an exceptional CPU that efficiently captures high-density, high-volume, and distorted barcodes printed on paper or displayed on screens.

Cost-effective Solution

The HR2081 Panga III offers an attractive price, providing a cost-effective data capture solution. This allows businesses to enjoy the capabilities of a 2D barcode scanner at the price of a 1D.

Elegant Appearance

The HR2081 Panga III features an aesthetic and ergonomic design, ensuring user comfort and productivity during intensive handheld scanning. Moreover, its appearance allows it to blend seamlessly into any environment, whether in healthcare or retail.

Durable Construction

The HR2081 Panga III is designed to withstand tough environments. With an IP42 rating and resistance to drops of up to 1.5 meters, it can handle the challenges of daily tasks.



Suggested industries

Retail | Hospitality | Healthcare

HR2081 Panga III Technical specifications

Data Capture	
1D	Code 11, Code 128, Code 39, GS1 128 (UCC/EAN 128), AIM 128, ISBT 128, Codabar, Code 93, UPC A, UPC E, Coupon, GS1 Composite, EAN 8, EAN 13, ISBN/ISSN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 25, ITF6, ITF 14, Standard 25, China Post 25, MSI Plessey, Plessey, GS1 Databar (RSS)
2D	PDF417, Micro PDF417, M i cro QR, QR Code, Data Matrix, Aztec.
Image Sensor	640×480 CMOS
Aiming	Red LED (625nm)
Illumination	White LED
Resolution	≥3mil
Depth of Field EAN 13 (13mil)	50mm - 260mm
Depth of Field Code 39 (5mil)	50mm - 115mm
Depth of Field PDF417 (6.7mil)	50mm - 120mm
Depth of Field DataMatrix (10mil)	35mm - 125mm
Depth of Field QR (15mil)	30mm - 170mm
Field of View Horizontal	45°
Field of View Vertical	34°
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Minimal Print Contrast	20%
Physical	
Current @ 5VDC Operating	190mA (typical), 201mA (max.)
Current @ 5VDC Standby	35mA
Dimensions (mm)	145×101×68 mm (LxWxH)
Input Voltage	5VDC±5%
Interfaces	USB, RS-232
Notifications	Beep, LED
Power Consumption	950mW (typical)
Weight	111g
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)	±15 KV (air discharge); ±8 KV (direct discharge)
Drop	1.5m
IP Rating	IP42

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Specifications are subject to change without notice

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HR2081 Panga III Technical specifications

Accessories	
Standard	USB cable
Optional	Foldable stand NLS-STD20-20
Certifications	
Hardware	FCC Part15 Class B, CE EMC Class B, RoHS
Warranty	
Standard	5 Years

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