

HR2081S

2D Handheld Barcode Scanner



Features

■ Outstanding Performance

Equipped with an outstanding CPU, this CPU-based scanner can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

■ Cost-effective Solution

The HR2081S provides a cost-effective data capture solution that allows customers to enjoy the capabilities of a 2D barcode scanner for the price of a 1D scanner.

■ Elegant Appearance

Blending ergonomics and aesthetics in its design, the HR2081S not only ensures operator comfort and productivity for intensive handheld scanning but also meets the aesthetic needs of the O2O era.

■ Durable Construction

The HR2081S, built into an IP42 sealed and drop resistant (1.2M) housing with no moving parts, fortifies itself inside and out.

Application Scenarios

O2O applications, purchase-sales-inventory management, ticket/voucher management, office automation.

HR2081S

2D Handheld Barcode Scanner

Performance	Image Sensor	640×480 CMOS	
	Illumination	White LED	
	Aiming	Red LED (625nm)	
	Symbologies	2D	PDF417, Micro PDF417, Micro QR, QR Code, Data Matrix, Aztec.
		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).
	Resolution*	≥3mil (Code 128)	
	Typical Depth of Field*	EAN-13	50mm-260mm (13mil)
		Code 39	50mm-115mm (5mil)
		PDF 417	50mm-120mm (6.7mil)
		Data Matrix	35mm-125mm (10mil)
		QR Code	30mm-170mm (15mil)
	Scan Angle**	Pitch	±55° (QR 15mil)
Roll		360° (QR 15mil)	
Skew		±55°(QR 15mil)	
Field of View	Horizontal 45°, Vertical 34°		
Min. Symbol Contrast	20%		
Physical	Interfaces	RS-232, USB	
	Dimensions (L×W×H)	145×101×68mm	
	Weight	111g	
	Notification	Beep, LED indicator	
	Operating Voltage	5VDC±5%	
	Rated Power Consumption	950mW (typical)	
	Current @ 5VDC	Operating	190mA (typical), 201 mA (max.)
		Idle	35mA
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	±15 KV (air discharge); ±8 KV (direct discharge)	
	Drop	1.2m	
	Sealing	IP42	
Certifications	FCC Part15 Class B, CE EMC Class B		

*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: V1.1

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