Newland
SCANNING MADE SIMPLE

1d · 2d · cmos · chip · ip42 · 1.5m drop

usb · rs232

HR22 Dorada
handheld scanners

Features

Cost-effective.

The HR22 Dorada 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 HR22 Dorada ensures operator comfort and productivity for intensive hand-held scanning. The scanner is ideally suited for applications at the point-of-sale and O2O (Online2Offline).

Outstanding Performance.

Equipped with Newland's third-generation decoder chip, the HR22 Dorada can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen/mobile phones.

Durable Construction.

The HR22 Dorada has an IP42 rating and is drop resistant up to 1.5m. Its durable housing guarantees optimal protection.

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

Performance		
	Processor	0390 Chip +MCU
	Image Sensor	E2 640*480
	Illumination	Red LED (625±10nm)
	Aiming	Red LED (625±10nm)
	Depth of Field EAN13 (13mil)	40-355mm
	Depth of Field CODE 39 (5mil)	28-155mm
	Depth of Field PDF417 (6.67mil)	28-95mm
	Depth of Field Data Matrix (10mil)	25-95mm
	Depth of Field QR (15mil)	25-150mm
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Scan Angle Pitch	±60°
	Scan Angle Skew	±55°
	Field of View Horizontal	44°
	Field of View Vertical	33°
	Scan Modes	Trigger(Level,Pulse), Sense, Continuous Mode, Batch Mode
	Scan Rate	100 frames per second
Data capture	1D	Code 128, UCC/EAN-128, AIM-128, EAN-8, EAN-13, ISBN/ISSN,UPC-E, UPC-A, Interleaved 2 of 5, Febraban, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Code 32, Codabar, Code 93,Code 11, Plessey, MSI-Plessey, GS1-DataBarTM(RSS), (RSS-14,RSS-Limited, RSS-Expand)
	2D	PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000,050,080, 100, 140)
Physical	Dimensions (mm)	145×100×68mm
	Weight	165g
	Material	PC,ABS
	Buttons	Trigger
	Interfaces	RS-232, USB,PS2
	Notifications	Beep, LED indicator
	Input Voltage	5VDC±5%
	Current @ 5VDC Operating	140±15mA
	Current @ 5VDC Standby	14.3±2mA
	Power Supply Input	DC5V, 1.5A
	Power Supply Output	AC100~240V, 50~60Hz
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)
	Electro Static Discharge (ESD)	±8 KV (direct discharge); ±15 KV (air discharge)
	Drop	1.5m
	Sealing	IP42
Accessories	Optional	RS232 Cable,Adapter,Stand
	Standard	USB Cable
Device Management	Software	EasySet (configuration)
Certifications	Certifications	CE,FCC,RoHS,EN 62471
Waranty	Warranty	5 years

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