













1.5m drop







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

HR22 Dorada technical specifications

| | Performance | Processor | 0390 Chip +MCU |
|--|----------------|--------------------------|---|
| | | Image Sensor | E2 640*480 |
| Death of Field EAN13 (3mil) | | | Red LED (625±10nm) |
| | | Aiming | Red LED (625±10nm) |
| | | | 40-355mm |
| | | • | 28-155mm |
| Matrix (10mil) | | • | 28-95mm |
| | | • | 25-95mm |
| Scan Angle Pitch ±60° Scan Angle Pitch ±60° Scan Angle Pitch ±55° Field of View Horizontal 44° Field of View Horizontal 44° Field of View Horizontal 14° Field of View Horizontal 14° Scan Modes Trigger (Level, Pulse), Sense, Continuous Mode, Batch Mode Scan Rate 100 frames per second Data capture 20 Code 128, UCC/EAN-128, AIM-128, EAN-13, ISBN/ISSN/UPC-E, UPC-A, Interleaved 2 of 5, Industrial 25, Standard 25, Code 39, Code 32, Codabar, Code 93, Code 11, Piessey, MSi-Piessey, CS31-DataBarTM(RSS), (RSS-14, RSS-Limited, RSS-Expand) Physical Dimensions (mm) 145×100×66 mm Weight 165g Material PC-ABS Buttons Trigger Interfaces RS-232, USB,PS2 Notifications Beep, LED Indicator Input Voltage SVDC 25% Current @ SVDC 140±15mA Operating Current @ SVDC 140±15mA Power Supply Input OCSV. 1.5A Power Supply Input ACCCOV to 50°C (-4°F to 122°F) Storage Temperature< | | • | 25-150mm |
| Scan Angle Pitch | | Minimal Print Contrast | 25% |
| | | Scan Angle Roll | 360° |
| Field of View Horizontal 44* Field of View Vertical 33* Field of View Vertical 33* Field of View Vertical 34* Field of View Vertical 34* | | Scan Angle Pitch | ±60° |
| Field of View Vertical 33° 100 | | Scan Angle Skew | ±55° |
| Scan Modes Trigger(Level,Pulse), Sense, Continuous Mode, Batch Mode Scan Rate 100 frames per second Data capture ID Code 128, UCC/EAN1-128, AIM-128, EAN1-8, EAN1-13, ISBN/ISSN,UPC-E, UPC-A, Interleaved 2 of 5, Perbaban, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Code 32, Codabar, Code 93, Code 121, Plessey, MSI-Plessey, GS1-DataBarTM(RSS), (RSS-14, RSS-Limited, RSS-Expand) Physical Dimensions (mm) 145×100×66mm Weight 165g Material PC,ABS Buttons Trigger Interfaces RS-232, USB,PS2 Notifications Beep, LED indicator Input Voltage SVDC ±5% Current @ SVDC 4.09±15mA Operating Description 4.3±2mA Standby Power Supply Input DCSV, 1.5A Power Supply Input CDCSV, 1.5A Power Supply Gutput AC100~240V, 50~60Hz Environmental Operating Temperature -20°C to 50°C (~4°F to 122°F) Hundidty 5%~95% (non-condensing) Electro Static Dischage 8K V (direct discharge); ±15 KV (air discharge) Electro Static Dischage RS22 Cable,Adapter,Stand | | Field of View Horizontal | 44° |
| Data capture 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, Code 30, Co | | Field of View Vertical | 33° |
| 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, Codebar, Code 93, Code 11, Plessey, MSI-Plessey, GSI-DataBarTM(RSS), (RSS-14,RSS-Limited, RSS-Expand) Physical Dimensions (mm) 145×100×68mm Weight 165g Material PCABS Buttons Trigger Interfaces RS-232, USB,PS2 Notifications Beep, LED indicator Input Voltage SVDC±5% Current @ SVDC 40±15mA Querating Current @ SVDC 41.3±2mA AC100−240V,50−60Hz Environmental Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%−95% (non-condensing) Electro Static Discharge (ESD) Electro Static Discharge (ESD) Pope 28 KV (direct discharge); ±15 KV (air discharge) Sealing IP42 Accessories Optional RS232 Cable,Adapter,Stand Device Management Software EasySet (configuration) Certifications Certifications Certifications CE,FCC,RoHS,EN15,E2471 <td>Scan Modes</td> <td>Trigger(Level, Pulse), Sense, Continuous Mode, Batch Mode</td> | | Scan Modes | Trigger(Level, Pulse), Sense, Continuous Mode, Batch Mode |
| Pobration Pobr | | Scan Rate | 100 frames per second |
| 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 140±15mA Operating 14.3±2mA Standby Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Environmental Operating Temperature -20°C to 50°C (-4°F to 122°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) (ESD) Drop 1.5m Sealing IP42 Accessories Optional Standard SS232 Cable,Adapter,Stand Standard USB Cable Device Management Software EasySet (configuration) | Data capture | 1D | Febraban, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Code 32, Codabar, Code 93, Code |
| Weight 165g Material PC,ABS Buttons Trigger Interfaces RS-232, USB,PS2 Notifications Beep, LED indicator Input Voltage 5VDC ±5% Current @ 5VDC 140±15mA Operating Operating Current @ 5VDC 5tandby Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Environmental Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%—95% (non-condensing) Electro Static Discharge £8 KV (direct discharge); ±15 KV (air discharge) (ESD) Drop 1.5m Sealing IP42 Accessories Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Certifications CE,FCC,RoHS,EN 62471 Certifications | | 2D | PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000,050,080, 100, 140) |
| Weight 165g Material PC,ABS Buttons Trigger Interfaces RS-232, USB,PS2 Notifications Beep, LED indicator Input Voltage 5VDC ±5% Current @ 5VDC 140±15mA Operating Operating Current @ 5VDC 5tandby Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Environmental Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%—95% (non-condensing) Electro Static Discharge £8 KV (direct discharge); ±15 KV (air discharge) (ESD) Drop 1.5m Sealing IP42 Accessories Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Certifications CE,FCC,RoHS,EN 62471 Certifications | Physical | Dimensions (mm) | 145×100×68mm |
| Material PC,ABS Buttons | , | | |
| Buttons | | | |
| Interfaces RS-232, USB, PS2 Notifications Beep, LED indicator Input Voltage 5VDC 140±15mA Operating Current @ 5VDC 5VEC 14.3±2mA Power Supply Input DC5V, 1.5A Power Supply Output AC100-240V, 50-60Hz Environmental Storage Temperature -20°C to 50°C (-40°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%-95% (non-condensing) Electro Static Discharge ±8 KV (direct discharge); ±15 KV (air discharge) (ESD) 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 | | | |
| Notifications Beep, LED indicator Input Voltage 5VDC±5% Current @ 5VDC 140±15mA Operating Device Power Supply Input DC5V, 1.5A Power Supply Output AC100−240V, 50~60Hz Full inditity 5%−95% (non-condensing) Full inditity 5%−95% (no | | Interfaces | |
| Input Voltage 5VDC ± 5% Current @ 5VDC 140 ± 15mA Current @ 5VDC 14.3 ± 2mA Current @ 5VDC 5tandby 14.3 ± 2mA Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Environmental Storage Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%~95% (non-condensing) Electro Static Discharge ±8 KV (direct discharge); ±15 KV (air discharge) (ESD) Drop 1.5m Sealing IP42 Accessories Optional RS232 Cable, Adapter, Stand Standard USB Cable Device Management Software EasySet (configuration) Certifications | | Notifications | |
| Current @ 5VDC Operating 14.0±15mA Current @ 5VDC Standby 14.3±2mA Power Supply Input Power Supply Output DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Environmental Fundamental Environmental Environmental Environmental Electro Static Discharge (ESD) Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature Humidity 5%~95% (non-condensing) Electro Static Discharge (ESD) ±8 KV (direct discharge); ±15 KV (air discharge) Prop For Pop Sealing IP42 1.5m Accessories Sealing IP42 Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Management Environment Environment Software EasySet (configuration) EasySet (configuration) Certifications Certifi | | Input Voltage | |
| Standby Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz | | Current @ 5VDC | 140±15mA |
| Power Supply Output AC100~240V, 50~60Hz Environmental Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%~95% (non-condensing) Electro Static Discharge (ESD) 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 | | | 14.3±2mA |
| Environmental Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%~95% (non-condensing) Electro Static Discharge (ESD) Drop 1.5m Sealing IP42 Accessories Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Certifications Certifications CE,FCC,RoHS,EN 62471 | | Power Supply Input | DC5V, 1.5A |
| Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%~95% (non-condensing) Electro Static Discharge (ESD) Drop 1.5m Sealing IP42 Accessories Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Certifications Certifications Certifications Certifications Certifications Storage Temperature -40°C to 70°C (-40°F to 158°F) -40°C to 70°C (-40°F to 15 | | Power Supply Output | AC100~240V, 50~60Hz |
| Humidity 5%~95% (non-condensing) Electro Static Discharge (ESD) 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 | Environmental | Operating Temperature | -20°C to 50°C (-4°F to 122°F) |
| Electro Static Discharge (ESD) 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 | | Storage Temperature | -40°C to 70°C (-40°F to 158°F) |
| (ESD) Drop 1.5m Sealing IP42 Accessories Optional Standard RS232 Cable,Adapter,Stand USB Cable Device Management Software EasySet (configuration) Certifications Certifications CE,FCC,RoHS,EN 62471 | | Humidity | 5%~95% (non-condensing) |
| Sealing IP42 Accessories Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Software EasySet (configuration) Certifications Certifications CE,FCC,RoHS,EN 62471 | | | ±8 KV (direct discharge); ±15 KV (air discharge) |
| Accessories Optional RS232 Cable,Adapter,Stand Standard USB Cable Device Management Certifications Certifications CE,FCC,RoHS,EN 62471 | | | 1.5m |
| Standard USB Cable Device Management Certifications Certifications CE,FCC,RoHS,EN 62471 | | Sealing | IP42 |
| Standard USB Cable | Accessories | Optional | RS232 Cable,Adapter,Stand |
| Management Certifications Certifications CE,FCC,RoHS,EN 62471 | | | |
| | | Software | EasySet (configuration) |
| Waranty Warranty 5 years | Certifications | Certifications | CE,FCC,RoHS,EN 62471 |
| | Waranty | Warranty | 5 years |

