HS220

Industrial Wireless Scanner

The Seuic HS220 is a high-performance wireless scanner designed for electronics manufacturing. Compared to general scanners, the HS220 can provide better performance for micro sized high-density barcodes, laser-engraved or inkjet barcodes on printed circuit boards, 2D codes on metal parts, and barcodes with poor printing quality in terms of decoding performance and user experience.

The Seuic HS220 is equipped with wireless communication module for wirelessly transmitting barcode data within 100m, allowing users to capture and scan barcodes immediately without "limitation."

Product Features

Barcode Compatibility
Many types of codes can be scanned by HS 220 due to its strong decoding capabilities. The tiny 2D code is laser engraved on the PCB surface, a small barcode is printed on the label, and low-contrast 2D codes are laser-carved on the tiny metal piece.

Data Transmission
With a class 1 wireless communication protocol, data transmission speed is 2 times faster than the previous generation, and data transmission distance in an open area can be up to 100 meters.

Specifications

Physical Characteristics		
Image Sensor	1280 * 800 COMS sensor with global shutter	
Camera Option	High density	Standard Range
Illumination LEDs	Intelligent adjustable diffuse light(red/white)	
Aiming	Cross-shape laser aimer	
Sensor Speed	60fps	
Support Symbologies	1D: UPC/EAN, Code128, GS1-128, Code 39, Code 93, Interleaved 2 of 5, Coda bar, etc. 2D: PDF417, MicroPDF417, Data Matrix, QR Code, MicroQR, etc.	
Scan Angle	Pitch angle ±60° and skew angle ±55°	
Scan Density	1D code: 3mil 2D code: 5mil	

Standard Range for Typical Symbols		High Density	Standard Range
	3mil Code128	1cm ~ 10cm	/
	5mil Code128	1cm ~ 15cm	3cm ~ 28cm
	10mil Code128	1cm ~ 21cm	1cm ~ 50cm
	13mil ENA-13	0cm ~ 15cm	1cm ~ 41cm
	5mil DM/QR	1cm ~ 7cm	/
	6.6mil DM/QR	1cm ~ 11cm	/
	10mil DM/QR	0cm ~ 15cm	3cm ~ 22cm
	20mil DM/QR	0cm ~ 25cm	2cm ~ 45cm

Vibration motor	Support
Communication Interface	RS232, USB keyboard, USB COM
Dimension	6.5 in. L × 2.7 in . W × 4.2 in. H 166.2 mm L × 68.5 mm W × 105.5mm H
Weight	7.5oz±0.1oz/213g±3g
Operating Temperature	32 °F to 122 °F/0°C to 50°C

Storage Temperature	-4 °F to 158 °F/-20°C to 70°C
Humidity	5% to 95% RH non-condensing
Environmental Sealing	IP54
Light Levels	0 to 100,000 Lux
Drop Specification	50 rounds of 6 ft./1.8m drops across the operating temperature range
Impact Specification	2000 rounds of 0.5m tumble
Shell Material	Highly resistant industrial plastic
Battery Capacity	Rated Capacity:3150mAh；Typical Capacity：3500mAh；Removable battery；
Charge time from empty to full	6~8 hours over USB 2.5 hours over external power
Maximum storage in batch mode	5000
ESD Protection	±15kV Air discharge,±8kV direct discharge
Certificates	CE, FCC, RoHS, UN38.3
Standard Cradle Specifications	
Normal rated charging power	DC:10W USB:2.5W
Dimension	219.3mm(L)*88.4mm(W)*62.3mm(H)
Weight	174g±3g
Operating Temperature	32 °F to 122 °F/0°C to 50°C
Storage Temperature	-4 °F to 158 °F/-20°C to 70°C
Humidity	5% to 95% RH non-condensing
Environmental Sealing	IP51 (Water and Dust Resistant)
Mechanical Shock	50 rounds of 3.9 ft./1.2m drops across the operating temperature range
Shell Material	Highly resistant industrial plastic
ESD Protection	±15kV Air discharge,±8kV direct discharge
Power Adapter	5.0V/2.0A
Certificates	CE、FCC、RoHS