

# HS220C

## A universal wireless scanner

HS220C is a versatile wireless scanner for manufacturing, retail, e-commerce, and logistics. It performs well in a variety of scenarios such as automated factory assembly, retail store checkout/inventory, and logistics and warehousing, especially for paper barcodes, wrinkled and distorted commodity codes, and laser-engraved barcodes on printed circuit boards or metal surfaces, HS220C can provide excellent decoding performance and user experience.



### ► Powerful barcode reading, one is done

Independent research and development of barcode reading algorithms, accurate and fast identification of complex barcodes

#### Industrial scenes

Tiny QR codes laser engraved on the surface of PCB



A tiny QR code laser-engraved on a metal surface



#### Retail e-commerce

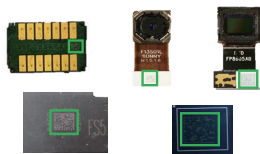
Pleated barcode



A tiny barcode printed on a label



Low-contrast barcodes



#### Logistics scenario

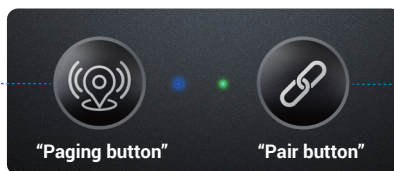
Blurred/broken barcodes



### ► Convenient pairing, intelligent paging

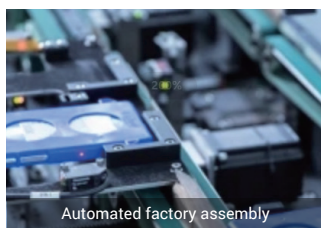
Tap the "Pairing Button" to complete the convenient pairing between the scanner and the cradle

Tap the "Paging Button", 90dB beep and flashing indicator to quickly locate the position of the scanner



### ► Flexible and durable, versatile across multiple industries

It is widely used in manufacturing, retail, e-commerce and logistics industries



# Performance, physical, and environmental parameters

Image sensors	CMOS sensor with global shutter 1280x1024		
Lens classification	High-density HD lenses	Standard SR lens	
Illumination light source	White LED		
Sights	Green dot LED		
Frame rate	Up to 60 frames per second		
Barcode type can be read	1D: Code39, Code128, GS1-128, Code93, Codabar, UPC/EAN, I2of5 etc 2D: PDF417, MicroPDF417, Aztec, Data Matrix, QR codes, Micro QR, etc		
Reading direction	Elevation angle $\pm 60^\circ$ , oblique angle $\pm 55^\circ$		
Field of view	FOV (D) : $50^\circ$ ; FOV (H) : $40^\circ$ ; FOV (V) : $31^\circ$ .		
Recognition accuracy	1D: 3mil 2D: 5mil		
Reading Depth of Field (Typical)		HD High Density Edition	SR Standard Edition
	3mil Code128	4cm ~ 11cm	8cm ~ 12cm
	5mil Code128	3cm ~ 14cm	3cm ~ 28cm
	10mil Code128	4cm ~ 15cm	1cm ~ 44cm
	ENA 13	2cm ~ 18cm	1cm ~ 43cm
	5mil DM/QR	4cm ~ 8cm	/
	6.6mil DM/QR	3cm ~ 10cm	/
	10mil DM/QR	1cm ~ 14cm	3.5cm ~ 25cm
20mil DM/QR	1cm ~ 21cm	2cm ~ 42cm	
Wireless communication distance	100 metres transmission distance in open area		
Communication interface	RS232、USB keyboard、USB COM		
Vibration motor	166.2* 105.5* 68.5mm		
size	166.2 * 105.5 * 68.5mm		
weight	200g $\pm$ 3g		
Operating temperature	0°C to 50°C		
Storage temperature	-20°C to 70°C		
humidity	5% to 95% RH without condensation		
Protection level	IP54		
Light level	0 to 100,000Lux		
Drop level	It can withstand 30 times of 1.5m air drops		
Rolling specifications	It can withstand 500 times of 0.5m tumble impact		
Shell material	High-strength engineering plastics		
Battery	Typical Capacity: 2500mAh: Non-Removable Battery.		
Electrostatic Discharge (ESD)	+15KV air discharge, 8kV contact discharge		
authentication	CE, FCC, RoHS, UN38.3 Air Transport Report		



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