

HS205DP

Industrial wireless scanner






The HS205DP is a handheld 2D image scanner designed for complexity environments, especially suitable for the high requirements in industries. This device's unique illumination mode makes it more effective at reading DPM barcodes on reflective, curved, and colored backgrounds



Core advantages

■ Optimized reading of complex barcodes

Intelligently adjust the lighting mode to automatically adapt to barcodes with different background colors and materials.

				
Tiny 2D code laser engraved on the surface of PCB	2D codes laser carved on the tiny metal piece illumination	Small barcode printed on label	Barcodes with low-contrast	Reflective, curved, colored backgrounds for complex barcode
















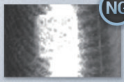





■ Double-colored lighting sources, three-color illumination

Intelligently adjust the lighting mode to automatically adapt to barcodes with different background colors and materials.

		
• Blue light illumination	• Red light illumination	• White light illumination

■ Fill-in light with multi-color, powerful decoding

Uniquely designed lighting mode optimizes DPM code reading on curved, reflective, multi-color backgrounds.

<p>Engraved barcode with multi-color</p>   	<p></p> <p>HS205DP</p>    <p>Multi-color light source adaptation</p>	<p></p> <p>Barcode scanner from other brands</p>   	
	<p>Reflective curved barcode</p> 	<p></p> <p>HS205DP</p>  <p>Reflective curved barcode optimization</p>	<p></p> <p>Barcode scanner from other brands</p> 
	<p>Reflective plane surface</p> 	<p></p> <p>HS205DP</p>  <p>Reduce the metal mirror reflection</p>	<p></p> <p>Barcode scanner from other brands</p> 

Application scenario: manufacturing industry

Assembling auto components/Mechanical manufacturing /Capturing scanning data for a manufacturing production line passing station/Aviation/Semiconductor technology



Performance, physical and environmental parameters

Image sensor	1280*800 COMS sensor with global shutter	
Camera Option	DPM	
Illumination LEDs	Intelligent adjustable diffuse light source: red, white, blue	
Aiming	Cross-shape laser aimer	
Sensor Speed	60fps	
Support Symbolologies	1D: Code39, Code128, Code93, Codabar, UPCVEAN, 12of5, etc. 2D: PDF417, MicroPDF417, Aztec, Data Matrix, QR code, Micro QR, GSI128, etc.	
Scan Angle	Pitch angle $\pm 60^\circ$ and skew angle $\pm 55^\circ$	
Scan Density	1D code: 3mil 2D code: 5mil	
Standard Range for Typical Symbols	Barcode type	depth of field
	3mil Code128	2cm ~ 8cm
	5mil Code128	0cm ~ 15cm
	10mil Code128	0cm ~ 22cm
	ENA 13	0cm ~ 21cm
	5mil DM/QR	2cm ~ 8cm
	6.6mil DM/QR	1cm ~ 12cm
	10mil DM/QR	0cm ~ 17cm
20mil DM/QR	0cm ~ 26cm	
Vibration motor	support	
Communication interface	RRS232, USB keyboard, USB COM	
Dimension	166.2 * 105.5 * 68.5mm	
Weight	162g+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	
Sealing	IP54 (Water and Dust Resistant)	
Light levels	0 to 100000Lux	
Drop Specification	Operational after 50 drops from 6 ft. (1.8 m) to concrete	
Impact Specification	2000 rounds of 0.5m tumble	
Shell material	Highly resistant industrial palstic	
Certificates	CE、FCC、RoHS	



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