



# HS325DP

## AI Industrial Wireless scanner

HS325DP Is an AI industrial wireless scanner with strong DPM decoding capability. It uses a faster dual-core processor and a smarter AI recognition algorithm to bring a more accurate and efficient decoding experience. In the face of distortion, surface, engraving, blur, defect and low contrast in manufacturing DPM reading, can be easily read.



## Core advantage

### New algorithm, performance upgrade

New algorithm, performance upgrade

**CMOS:**  
1.3 million

High-precision reading of one-dimensional high-density long barcodes

**CPU:**  
Dual core AI Support

Rapid positioning of barcodes in complex backgrounds

### Excellent barcode reading capabilities, Stronger performance

Specializes in reading hard-to-read barcodes with poor marking quality

- QR code for quiet zone wear
- Laser engraving codes with uneven contrast
- PFC surface perforated DPM code
- Engraving code on a firing pin on a car part
- PCB Punch DPM Code
- The surface of the copper foil is engraved with a DPM code
- Laser-engraved codes with reflective and uneven black resin surfaces
- Laser-engraved codes with very low contrast in SSD enclosures
- Highlighted surface laser engraving code for automotive accessories curved surface metal
- Low-contrast QR code made of graphite

## Application scenario: Manufacturing industry

Auto parts assembly / new energy / consumer electronics maintenance service store parts traceability / manufacturing production line scanning code and station collection / aerospace



## Performance, physical, and environmental parameters

imaging sensor	A CMOS sensor of 1280×1080 with a global shutter	
Lens classification	DPM camera lens	
Lighting source	Intelligent adjustable diffuse light source: red, white blue	
sight	Laser crosshairs aiming frame	
frame rate	Up to 60 frames / s	
Readable barcode type	1D: Code39, Code128, Code93, Codabar, UPC/EAN, 12of5, GS1 128 etc. 2D: PDF417, MicroPDF417, Aztec, Data Matrix, QR code, Micro QR etc.	
Read the direction	Elevine ± 60°; slope ± 55°	
Scan Density	1D code: 3mil 2D code: 5mil	
Read the depth of field (typical value)	Barcode density	depth of field
	3mil Code128	3.5cm~6.5cm
	5mil Code128	1.5cm~18cm
	10mil Code128	0.5cm~28cm
	EAN 13	1cm~26.5cm
	5mil DM/QR	3.7cm~7.2cm
	10mil DM/QR	1.9cm ~ 15.9cm
20mil DM/QR	0~33.5cm	
Wireless communication	Empty space transmission distance is 100 meters	
Vibration motor	support	
communication interface	RS232, USB keyboard, and USB COM	
Dimension	166.2 * 105.5 * 68.5mm	
Weight	223g+3g	
working temperature	0°C to 50°C	
storage temperature	-20°C to 70°C	
Working humidity	5% to 95% RH non-condensing	
Sealing	IP54	
Light levels	0 to 100000Lux	
Drop level	Can withstand 501.8m aerial drops	
Rolling specifications	It can withstand 20000.5m rolling shocks	
Sheathing material	High-strength engineering plastics	
battery	Rated capacity: 3150 mAh; typical capacity: 3500 mah; removable battery	
Number of full-current state scans	100,000 consecutive scans were supported at a frequency of 2 scans per second	
charging interval	Charging with a USB cable: 6 to 8 hours	
Storage capacity in the batch mode	With 5,000 barcodes	
Electrostatic discharge (ESD)	± 15kV air discharge, ± 8kV direct discharge	
Certification	CE, FCC, RoHS, UN38.3 Air transport reports	



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