

Seuic 东集

HS525HDP

AI Industrial Wireless Scanning Gun

The HS525HDP is an industrial-grade AI wireless barcode scanner with robust DPM decoding capabilities. Featuring a faster dual-core processor and intelligent AI recognition algorithms, it delivers precise and efficient decoding performance. This device effortlessly handles common challenges in manufacturing DPM reading such as distortion, curved surfaces, dot matrix patterns, blurriness, defects, and low contrast issues.

The HS525HDP incorporates Dongji's new second-generation AI scanning algorithm. Compared to its predecessor HS325HDP series, it delivers faster decoding speeds, wider decoding angles, and expanded decoding range. Through extensive learning from tens of thousands of barcode samples in the electronics industry, it has been optimized for decoding precision-engraved QR codes, low-contrast QR codes, and damaged QR codes on mobile phone and digital device components. Particularly suitable for electronic manufacturing service plants, this solution significantly enhances scanning efficiency and helps enterprises boost production productivity.



Core Advantage

I Excellent read-ability, stronger performance

Good at reading difficult barcodes with poor engraving quality



QR code worn on the edge



A code of laser engraving with uneven contrast



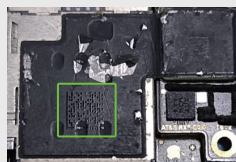
FPC surface perforation DPM code



PCB through-hole DPM code



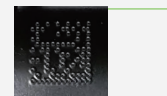
Carve the DPM code on the surface of the copper foil



Black resin surface reflective and uneven laser engraved code

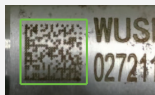


The engraved code on the safety pin of a car part



Laser engraved code for a solid state drive housing with very low contrast

High brightness surface laser engraving code for curved metal in automotive accessories



Low contrast QR code made of graphite

I The electronic industry bar code is specially optimized, the identification capability is upgraded



Application Scenario: Manufacturing Industry

Automotive parts assembly / new energy / consumer electronics maintenance service store parts traceability / manufacturing line code scanning over the station collection / aerospace



HS525HD P Performance, Physical and Environmental Parameters

imaging sensor	CMOS sensor with global shutter 1280×1080	
Lens classification	DPM camera lens	
Lighting source	Intelligent adjustable diffuse light source: red, white and blue	
sight	Laser cross strap sight	
frame rate	Up to 60 frames per second	
Readable barcode type	1D: Code39, Code128, Code93, Codabar, UPC/EAN, 12of5, GS1 128 , etc. 2D: PDF417, MicroPDF417, Aztec, Data Matrix, QR code, Micro QR code and other OCR (custom support)	
Read direction	The elevation Angle is $\pm 60^\circ$; the slope Angle is $\pm 55^\circ$	
Recognition accuracy	One-dimensional code: 2mil, QR code: 3mil	
Read the depth of field (typical value)	Barcode density	depth of field
	2mil Code128	0cm~6cm
	5mil Code128	0cm~9.1cm
	10mil Code128	0cm~13.3cm
	EAN 13	1cm~9.1cm
	3mil DM/QR	0cm~6cm
	10mil DM/QR	0cm~9.1cm
	20mil DM/QR	0~17.1cm
Wireless communication distance	The empty transmission distance is 100 meters	
vibration motor	support	
communication interface	RS232, USB keyboard, USB COM	
size	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 no condensation state	
levels of protection	IP54	
Lighting levels	0 to 100,000Lux	
Drop down the ladder	Can withstand 50 drops from 1.8m in the air	
Rolling specifications	Can withstand 20000.5m rolling impact	
sheathing material	High strength engineering plastics	
cell	Rated capacity: 3150mAh; typical capacity: 3500mah; detachable battery	
Number of scans when fully charged	Supports 100,000 consecutive scans at a frequency of 2 scans per second	
charging interval	Charging with USB cable: 6~8 hours	
Storage capacity in batch mode	5,000 bar codes	
Electrostatic discharge (ESD)	± 15 kV air discharge, ± 8 kV direct discharge	
attestation	CE, FCC, RoHS, UN38.3 air transport report	



400-677-0876



No.15 Xinghuo Road, Ji-
angbei New District, Nan-
jing



www.seuic.com



AUTOID@seuic.com

Add your business friends for a free trial now

Follow the official wechat for the latest information. Dongji is here for you, and the service is available immediately

Follow industrial vision for more information



© 2023 SEUIC Technologies Co., Ltd. All rights reserved