# Seuic

# HS225DP

## Industrial wireless scanner

HS225DP industrial wireless scanner is an enhanced version of HS220, except PCB laser engraving code, metal laser engraving code, printing small barcode, low contrast barcode and wide barcode, this device's unique illumination mode makes it more effective at reading DPM barcodes on reflective, curved, and colored backgrounds.
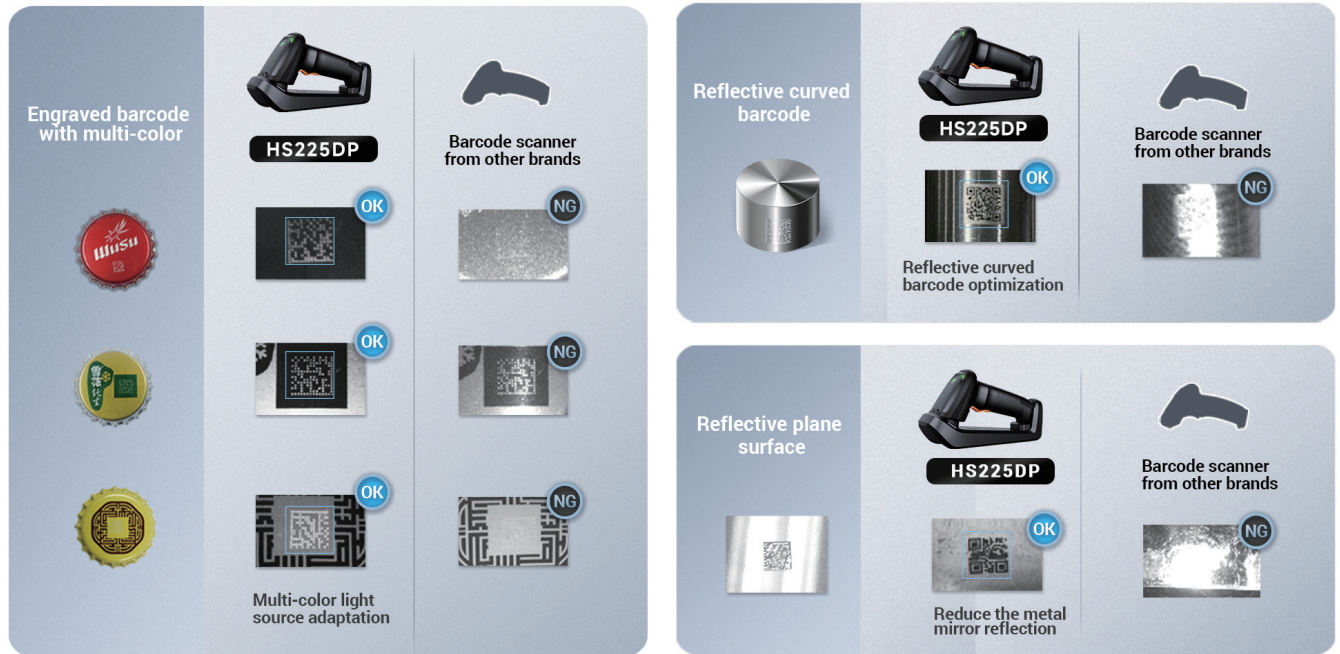
## Core advantages

### ■ 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.



**Engraved barcode with multi-color**

HS225DP — OK

Barcode scanner from other brands — NG

Multi-color light source adaptation

**Reflective curved barcode**

HS225DP — OK

Barcode scanner from other brands — NG

Reflective curved barcode optimization

**Reflective plane surface**

HS225DP — OK

Barcode scanner from other brands — NG

Reduce the metal mirror reflection

## Application scenario: manufacturing industry

Assembling auto components/Mechanical manufacturing /Traceability of parts in consumer electronics repair shops/Capturing scanning data for a manufacturing production line passing station/Aviation

## 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 Symbologies | 1D: Code39, Code128, Code93, Codabar, UPCVEAN, 12of5, etc.<br>2D: PDF417, MicroPDF417, Aztec, Data Matrix, QR code, Micro QR, GSI128, etc. |
| Scan Angle | Pitch angle ±60° and skew angle ±55° |
| 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 | 223g+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 |
| Battery | Rated capacity of battery: 3150mAh; Typical capacity: 3500mah; Removable battery |
| The number of full power state | supports 100000 consecutive scans at a frequency of 2 scans per second |
| Charging time | using USB cable: 6~8 hours; Using external 5V power supply: about 2.5 hours |
| Storage capacity in batch mode | 5000 barcodes |
| ESD Protection | ±15kV Air discharge；±8kV direct discharge |
| Certificates | CE, FCC, RoHS, UN38.3 air transport report |