

CS9001 Portable 2D Barcode Scanner with Honeywell Scan Engine



PRODUCT OVERVIEW

Model	CS9001
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Image Sensor	Global shutter
Sensor Resolution	Global shutter 1280 × 800
Illumination	White LED illumination (IEC/EN 62471 exempt risk group)
Aiming System	650 nm high-visibility red laser with crosshair and framing aimer
Acquisition Rate	Up to 60 frames/s
Motion Tolerance	6 m/s [19.7 ft/ s]
Minimum Element Resolution	1D:≥3 mil 2D:≥5 mil
Minimum Print Contrast	≥20%
Field of View	Horizontal: 44°, Vertical: 28.5°
Angular Tolerance	Roll: 360°; Pitch: ±55°; Skew: ±70°
Depth of Field	barcode Near(mm [in])Far(mm [in])Range(mm [in]) 5 MIL C39 70 [2.8] 311 [12.2] 246 [9.7] 10 MIL C39 40 [1.6] 536 [21.1] 496 [19.5] 20 MIL C39 68 [2.7] 868 [34.2] 800 [31.5] 5 MIL C128 75 [3.0] 272 [10.7] 198 [7.8] 10 MIL PDF 45 [1.8] 425 [16.7] 380 [15] 20 MIL QR 57 [2.2] 513 [20.2] 456 [18.0] 100% UPCA 44 [1.7] 573 [22.6] 529 [20.8] 10 mil DATA MATRIX 64 [2.5] 297 [11.7] 233 [9.2]
Supported Symbolologies	Codabar, Code 11, Code 128, 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 DataBar barcode, UPC-A, UPC-E, UPC-A/EAN-13 and Coupon Code, Coupon GS1 Code 32 (PARAF), EAN-UCC Emulation, GS1 Data Bar, Codablock A, Codablock F, PDF417, MicroPDF417, Aztec, Data Matrix, MaxiCode, QR, Han Xin Code, Grid Matrix, DotCode, Australia Post, UK Postal, Canada Post, China Post, Japan Post, Korea Post, KIX Code, Postnet, Planet, OCR (passportID)
Trigger Modes	Manual trigger, Continuous mode, Presentation mode, Host-command trigger

Connectivity & Wireless	
Connectivity	Wired, Wireless, 2.4 GHz, Bluetooth Wired, 2.4 GHz wireless, Bluetooth (supported versions 2.0, 3.0, 4.0, 4.2) 2.4 GHz, USB HID (USB COM), Bluetooth (HID, SPP, BLE)
Host Interfaces	USB Standard USB interface
Wireless Range	2.4 GHz: 65 m Bluetooth: 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	2000 mAh
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	Approx. 5 hours 5V 1~2A
Operating Voltage	5V±5% 170 mA ±5% (Typical),260 mA ±5% (Maximum) 0.6µA

Physical Specifications	
Dimensions	137 × 50 × 38
Weight	Approx. 130 g
Enclosure Material	Elastomer: TPU Rigid housing: ABS
Color Options	Black, Red
Cable Length	Type-C Cable length: 1.2 m
Stand Included	No
User Feedback	Buzzer, Vibration

Environmental & Compliance	
IP Rating	IP54
Drop Resistance	Withstands a 1.5 m drop to concrete
Operating Temperature	-20°C~+60°C
Certifications	CE, RoHS, FCC