

# CS-8120

## 2D Imager Counter Scanner

### MULTI-PURPOSE FOR DAILY USE

The CS-8120 is standard product that is perfect for use in retail, restaurant, ticketing or office plus activities associated with light industrial.



- ✓ Stylish, compact design, ideal for constrained-space environment
- ✓ Read all common 1D/2D barcodes on paper, label or electronic screen
- ✓ Plug-and-play interfaces enable the scanner to be used with different host devices
- ✓ Solid-state design to ensures high reliability and durability
- ✓ Green aimer, bicolour LED indicator and loud sound to deliver comfortable and efficient scanning experience



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## Mechanical

Dimensions	93mm (H) x 95mm (W) x 157mm (D)
Weight	299g (without cable)
Cable	Straight 2.0 meters
Interface	USB Keyboard, RS232, USB virtual COM
Operating Mode	Hand-Held, Auto-Detection
Programming Method	Manual (reading configuration barcode)
Indicator	Beeper, LED

## Electrical

Input Voltage	4.6 - 5.5 ± 0.25VDC
Current	110 mA (standby); 370 mA (operation)

## Performance

Image Size	1280 x 800 pixels
Field of View	Horizontal: 64°, vertical: 44°
Scanning Angle	±70°, ±70°, ±360° (skew, pitch, roll)
Print Contrast	20% minimum reflectance difference
Scanning Pattern	Area Image
Minimum Resolution	1D (Code 39): 5 mil; 2D (PDF417): 6.7 mil
Decoding Capability	1D: UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN (Bookland EAN), ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar (NW7), Code 128, UCC/EAN 128, ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, China Post, China Finance, GS1 DataBar (formerly RSS) variants 2D: PDF417, MicroPDF417, QR Code, DataMatrix, Han Xin Code, Aztec Code

## Environmental

Operating Temperature	-20°C to 55°C / -4°F to 131°F (operating); -20°C to 75°C / -4°F to 167°F (storage)
Humidity	5% to 95% (non-condensing)
	EMC: EN55022, EN55024   Electrical Safety: EN60950-1
Safety	Photo-biological Safety: EN62471:2008   illumination: 0~100,000 LUX Sealing - IP50   Drop Resistance - Multiple 1.5 m (5.0 ft.) drops to concrete

[Notice] : Specification are subject to change without notice.

Decoding Depth*	
Narrow Width	Distance
5 mil Code 39 (3 chars)	5 - 55 mm
10 mil Code 39 (3 chars)	0 - 140 mm
13 mil UPC (6 chars)	0 - 150 mm
20 mil Code 39 (1 char)	0 - 230 mm
6.7 mil PDF417 (20 chars)	15 - 60 mm
10 mil QR Code (20 chars)	0 - 40 mm
20 mil QR Code (20 chars)	0 - 150 mm
* Performance vary by bar code printing quality and environmental conditions.	