

CS3090 | Omnidirectional Laser Scanner

The CS3090, omnidirectional hands-free compact laser scanner with increased scanning performance is perfect for various convenience stores and specialty stores.

In addition to being an ideal choice for small to mid-volume scanning in retail environments such as convenience stores, liquor stores and pharmacies, it is also a perfect choice for presentation scanning in industrial environments, such as factory production and manufacturing.

The CS3090 provides aggressive first-pass scanning at 1,650 scans/second, greatly increasing customer satisfaction and operator efficiency.

With 4 mounting holes, the CS3090 can be easily fixed onto a countertop or assembly line table, effectively saving space.

the CS3090 provides maximum uptime with more stable performance and lower failure rate.

Additionally, the CS3090's louder Beeper allows end users to receive timely and accurate "Good read" feedback, even in noisy environments.



Features

Omnidirectional/ parallel-line mode: provides a high first-pass rate with easy and flexible operations

Sleep Mode with IR Activation: effectively reduces power consumption, extends product life and lowers operating costs

Stylish ID design: can be easily assembled and mounted to various countertop and desktop, helping to conserve countertop space

High performance and quality with low failure rate: CS3090 provides maximum uptime with a more stable performance and a lower failure rate

Ideal choice for small to mid-volume scanning in retail application: ideal for convenience stores, liquor stores and pharmacies, etc

CS3090 Technical Specifications

Mechanical

Dimensions (LxWxH): 87mm x 98mm x 170mm

Weight: 382g

Electrical

Input Voltage: 5VDC \pm 0.5V

Operating Power (typical): 1.4W (275 mA@ 5V)

Standby Power (typical): 1.2W (230 mA@ 5V)

DC Transformers: Class2; 5.2 VDC @ 1A

Laser class: Class2; IEC60825-1

Environmental

Operating Temperature: -20°C - 40°C

Storage Temperature: -40°C - 60°C

Humidity: 5% to 95% relative humidity, non-condensing

Light: 4842 Lux (450 foot-candles)

Drop: Designed to withstand 1m drops

Performance

Light Source: Visible Laser Diode, 650 nm \pm 10 nm

Audible Indicators: 7 tones or no beep

Visual Indicators: Green= ready to scan, Red= good read

Host System Interfaces: USB, RS232 Serial

Scan Pattern: Omnidirectional: 5 fields with 4 lines in each direction

Scan Speed: 1650 scan lines per second

Print Contrast: 35% minimum reflectance difference

Decoding ability: read all standard 1D barcodes



Typical Performance*

Narrow Width	Depth of Field
5 mil	50 mm - 100 mm
7.5 mil	40 mm - 185 mm
10.4 mil	20 mm - 260 mm
13 mil	20 mm - 310 mm
Resolution: 5 mil (0.125 mm)	
*Performance may be impacted by bar code quality and environmental conditions	