

SC1900HD Laser OCR Scanners

HIGH DENSITY EXTREME PERFORMANCE

USB OCR & Barcode Customized Laser Scanners

Introducing the latest in Laser OCR and Barcode scanning abilities. Delivering highly accurate scanning solutions for your unique requirements and specific needs. For over 20 years, providing custom application solutions for government, municipality, and end-user clients.



The SC1900HD scanner offers superior scan performance, easily capturing even the most difficult-to-read or damaged OCR and barcode fonts.

Engineered to 50 drops at 1.8 m (6 ft) and 2,000 tumbles at 0.5 m (1.6 ft) and with an IP52 ingress rating for water and dust, the SC1900HD scanner delivers class-leading durability. This significantly reduces scanner downtime and service costs, leading to a longer lifecycle and a lower total cost of ownership.

Designed for retail environments that demand high-accuracy scanning, whether at a distance or even on damaged barcodes, the SC1900HD scanner reduces strain on the operator. The SC1900HD scanner is available in black or white models in order to match the scanner to your environment. Full custom programming is required and included with each unit purchased.



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Technical Specifications

MECHANICAL/ELECTRICAL

Dimensions (L x W x H): 104.1 mm x 71.1 mm x 160 mm (4.1 in x 2.8 in x 6.3 in)

Scanner Weight: 147.42g (5.2 oz)

Input Voltage: 4.4V DC - 5.5V DC

Operating Power (Charging) Bases:
2.5W (500mA @ 5V DC)

Host System Interfaces: USB, keyboard wedge, RS-232

User Indicators: Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume), Vibration (optional)

ENVIRONMENTAL

Operating Temperature: 0° C to 50° C (32° F to 122° F)

Storage Temperature: -40° C to 70° C (-40° F to 158° F)

Electrostatic Discharge (ESD) (Scanners and Cradles): ±8 kV indirect coupling plane, ±15 kV direct air

Humidity: 0% to 95% relative humidity, non-condensing

Tumble Spec: 2,000 0.5 m (1.6 ft) tumbles (impacts)

Drop: Engineered to withstand 50 1.8 m (6 ft) drops to concrete

Environmental Sealing: IP52

Light Levels: 0 to 100,000 lux (9,290 foot-candles)

SCAN PERFORMANCE

Scan Pattern: Area image (1280 x 800 pixel array)

Motion Tolerance: Up to 400 cm/s (157 in/s) for 13 mil UPC at optimal focus.

Scan Angle:

SR: Horizontal 48° ; Vertical 30°

HD: Horizontal 48° ; Vertical 30°

UD: Horizontal 46° ; Vertical 29°

Print Contrast: 20% minimum reflectance difference

Roll, Pitch, Skew: ±360°, ±45°, ±65°

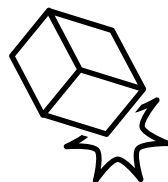
Decode Capabilities: Reads standard 1D, PDF, 2D, and OCR A&B symbologies
NOTE: Decode capabilities dependent on configuration, which is completed upon unit purchase.

Warranty: 1-year factory warranty, extended service contracts available.

FEATURES AND BENEFITS



Superior scanning performance, even on damaged and poor-quality barcode labels and/or fonts.



Engineered to withstand 2,000 0.5 m (1.6 ft) tumbles and 50 1.8m (6 ft) drops. Durable and reliable in any environment.



The scanner is optimized for scanning fonts off both paper-type documents and smartphones/displays.