Symbol MiniScan MS954 Series

Fixed Mount Scanner

FEATURES

High performance fixed-mount scanner
Premium scanning on poorly printed and low contrast 1D symbols for maximum accuracy and productivity

Working range from near contact to over 35 in./88.9 cm
Flexible decode range for maximum accuracy and efficiency

Configurable scan angle of 47° and 35°
Ability to control scan angle to meet demands of application

Compact durable housing, mounting holes, LEDs and RS-232 interface
Plug-and-play installation reduces development time and speeds up time to market

Compact, durable and high performance fixed-mount bar code scanner

The Symbol MS954 is a compact, durable, fixed-mount laser bar code scanner for premium linear scanning on all types of 1D bar codes, including poorly printed and low contrast symbols.

The Symbol MS954 offers a configurable scan angle of 47° and 35° for OEM devices requiring a flexible, expanded working range. As one of the smallest, lightest and brightest fixed-mount scanners available today, the Symbol MS954 is ideal for accurate automated data collection in OEM device designs with space constraints. It can also be used as a standalone fixed-mount scanner.

Rich feature set for more flexibility in many environments

The Symbol MS954 features a configurable scan angle and a working range of over 35 inches/88.9 cm to ensure high first-time read rates for maximum productivity. The Symbol MS954 is easy to program and configure, enabling you to cut your development time and bring your product to market faster — even if you don't have the in-house technical resources for scanner integration. With its durable housing and built-in RS-232 interface, the Symbol MS954 enables your project teams to quickly and confidently integrate high performance 1D bar code data capture into many applications.

Proven technology to enhance your solutions

With millions of installations worldwide, our OEM devices are proven to deliver high reliability and superior performance, ensuring the accurate and quick capture of data and images in your mission-critical applications and devices. In addition, an easy-to-integrate design and expert assistance from our world-class OEM support team enable you to bring your systems to market quickly and cost effectively. And since even the most intelligent products require a maintenance plan and a support strategy, we offer superior services to help you maximize uptime and maintain peak performance.

For more information on the Symbol MS954, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the Web at www.symbol.com/ms954

Software controlled or manual triggering
Offers flexible control for unattended or hands-free applications

Easy-to-program simple serial interface (SSI)
Provides fast, simple communications between scanner and host

Reads all major 1D symbologies
Versatile decode capability enables devices to realize a high first-time read rate for improved productivity

Bright 650 nm laser diode
Scan line is easy to see

Software developer's kit (SDK) at no extra charge
Enables the creation of applications using familiar Microsoft® Windows® 98, 2000 and XP platforms

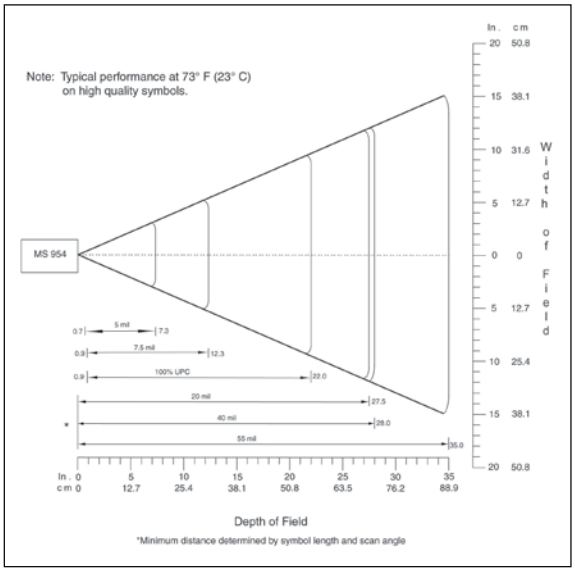
Applications

OEM embedded	Kiosks and ATMs; clinical diagnostics; medical instruments; blood and chemical analysis; gaming equipment; vending and lottery machines; turnstiles/access control
Fixed-mount	Manufacturing and warehousing; assembly lines; library and document tracking

Symbol MS954 Specification Highlights

Physical Characteristics	
Dimensions:	1.02 in. H x 1.93 in. W x 2.31 in. D 25.90 mm H x 49.02 mm W x 58.67 mm D (nominal)
Weight:	1.67 oz./ 47.34 gm
Performance Characteristics	
Light source:	Visible laser diode 650 nm
Scan rate:	104 ± 12 scans per second (bi-directional)
Scan angle:	Default/wide: 47° default; Alternate/narrow: 35°
Scan pattern:	Linear
Skew tolerance (Yaw):	± 50° from normal
Pitch angle:	± 65° from normal
Roll:	± 35° from vertical
Minimum print contrast:	Minimum 25% absolute dark/light reflectance measured at 650 nm
Symbologies:	1D: UPC/EAN, Code 128, UCC.EAN128, Code 39, Code 93, I 2 of 5, Discrete 2 of 5, Codabar, MSI, RSS and 1-D Composite codes
Programmable parameters:	Laser on time, power mode, trigger mode, bi-directional redundancy, symbology types/ lengths, data formatting, serial parameters, beeper tone, pattern controls
Interface:	RS-232
User Environment	
Ambient light:	Artificial light: 450 ft. candles (4,844 Lux) Sunlight: 10,000 ft. candles (107,640 Lux)
Operating temperature:	-4° to 140°F (-20° to 60°C)
Storage temperature:	-40° to 158°F (-40° to 70°C)
Humidity:	5% to 95% noncondensing
Power: Input voltage: Scanning current: Standby current: Vcc noise level:	 5.0 VDC ±10% 95 mA typical; 125 mA max 27 mA typical; 50 mA max 200mV peak-to-peak max
Drop:	Unit functions normally after multiple 30 in./76 cm drops to concrete
Regulatory	
Laser classification:	CDRH Class II, IEC Class 2
Electrical safety:	Certified to UL1950, CA C22-2 NO950 ENG60950/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B European Union EMC Directive, Australian SMA
Environmental:	ROHS-compliant

Symbol MS954 Decode Zone



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