



Symbol MiniScan Series

Miniature, High-Performance Fixed Mount Devices for standalone or OEM applications



A WORLD OF APPLICATIONS

Regardless of your application or industry focus, there is a Symbol MiniScan Fixed Mount Device designed to meet your needs:

- Kiosk/ATMs
- Medical equipment
- Conveyor belts
- Data/tape storage
- Manufacturing assembly lines
- Gas pumps
- In-store music listening stations
- Vending machines and lottery machines
- Security/ID
- Gaming devices
- Access control/turnstyles
- Library and document tracking systems

Design powerful solutions with the Symbol MiniScan Series

Today, it is a challenge to create practical solutions that not only meet the needs of a variety of real-world applications, but also offer differentiating value-add features. From supply chain efficiency to clinical diagnostic equipment to retail kiosks to security/ID verification tools, Symbol's MiniScan Fixed Mount Scanners allow you to cost-effectively enhance your existing system or device, giving you a decisive edge over your competitors.

This next generation of fixed mount scanners enables fast, easy and flexible bar code scanning integration into all types of devices. The Symbol MiniScan Series gives you the assurance of proven, embedded bar code scan engine technology from Motorola, the world leader in bar code scan engines. Before you design your system or device, choose the right Motorola embedded technology — laser or imager scanning — to differentiate and substantiate your solution.

Limitless applications

In addition to delivering the smallest scanning solution for the end user, the Symbol MiniScan Series also minimizes your integration effort and speeds up your time to market. The devices are easily integrated into a wide variety of fixed

mount or OEM applications — just plug it in and you're ready to scan. All Symbol MiniScans are sealed to IP54 standard (except the MS954 and the MS440x), and feature a loud beeper, easy programming and mounting provisions, further simplifying application and product development.

A simple, flexible solution for increasingly complex applications

Symbol's MiniScan Fixed Mount Scanners offer a rich feature set with the flexibility and convenience for virtually any market or OEM application. Integration of bar code scanning into your application is easier than ever before. Regardless of your industry or application focus, the Symbol MiniScan Series offers the capabilities you need to meet most of your data capture needs. You enjoy the latest technology and a simplified architecture that enables faster time to market and better margins. And your customers enjoy reliable and dependable operation with the features and functionality needed to achieve maximum value from their mobility solutions.

For more information on how you can benefit from Motorola OEM Technology, access our global contact directory at www.symbol.com/contact or visit us on the web at www.symbol.com/miniscan.

SPECIFICATION SHEET





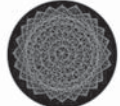

SYMBOL MINISCAN SERIES

Symbol MiniScan Series High-Performance Fixed Mount Scanners

A WORLD OF DATA CAPTURE OPTIONS

Symbol MiniScan modules offer a wide range of data capture options, including:

- Standard one-dimensional (1D) symbols
- All two-dimensional bar codes including PDF, RSS and composite codes
- PDF417, a two-dimensional (2D) portable data file with a capacity of up to 2 kilobytes of text and images
- Image capture
- Signature capture

| Product | Pattern | Features | Embedded Application Benefits |
|------------------|--|---|---|
| MS954 |  Single line 1D applications | One of the smallest, lightest and brightest fixed-mount scanners available today. Offers a configurable scan angle of 47° and 35°, delivering a flexible, expanded working range from near contact to over 35 in./88.9 cm. | Ideal for OEM device designs with space constraints, such as kiosks and ATMs, clinical diagnostic equipment, medical instruments, gaming devices and turnstiles/access control. |
| MS12xxWA |  Single line, wide 1D applications | Features a wide 60° scan angle that accommodates wide 1D bar codes within close range. | Ideal for high-volume, near-contact scanning in applications such as kiosks, ATMs, assembly lines, warehouse and shipping. |
| MS12xxFZY |  Single line 1D applications | Incorporates fuzzy logic for premium scanning performance on all types of 1D codes including poorly printed and low contrast symbols. | Ideal for scanning in applications where the print quality is inconsistent or poor. OEM devices and applications include: kiosks, diagnostic equipment, vending machines, gaming, library and document tracking systems, warehouse and shipping. |
| MS22xx |  Raster 2D applications | "Smart" raster pattern fine-tuned for 2D codes such as PDF417, Micro-PDF and Composite codes. High scan rate ensures fast and reliable data capture on all 1D codes including poorly printed symbols | Excellent accuracy for unattended fixed-mount applications that require high-speed scanning such as conveyor belts for manufacturing and warehouse applications. Ideal for self-scanning at gas pumps, and reading PDF417 in security/ID verification applications. |
| MS32xx |  Omni-directional 1D applications | High-speed, rotating omni-directional scan pattern reads 1D symbols in 360 degrees of rotation, eliminating the need to orient the bar code in the field of view. Capable of generating raster pattern to read 2D codes as well. | Easy and intuitive self-scanning for consumers, ideal for point-of-sale, kiosks, ATMs, listening stations and vending machines. |
| MS440x |  Omni-directional 1D/2D, image and signature capture | High-speed, rotating omni-directional scan pattern reads 1D and 2D symbols in 360 degrees of rotation, eliminating the need to orient the bar code in the field of view. Dual-focus system provides exceptional depth of field for all bar code densities — from 5 mil to 100 mil. Built-in illumination ensures that bar codes and images can be accurately captured in any lighting condition — from bright sunlight to total darkness. | One of the smallest charge-coupled device (CCD) imaging products available. Designed to fit in tight spaces — such as the check-in kiosk at an airport gate, point-of-sale (POS) areas with very limited counter space, manufacturing cells where space is at a premium, and clinical diagnostic equipment. |



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