

Optimizing Warehouse Performance with the Ruggedized DS3400 Series Scanners



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Application Brief

Symbol Technologies



Key Benefits

- *Increases flexibility by reading all industry-standard 2D and 1D bar codes*
- *Ensures high performance in the most extreme environments*
- *Single device eliminates the need for multiple scanners*
- *Increases productivity with omni-directional scanning*

Meeting Evolving Needs

Most warehouse managers have one common, mission-critical goal: reducing the overall cost of distributing goods. To reduce costs, however, you must contend with a host of challenges in moving and accurately tracking inventory. Recent advances in two-dimensional (2D) bar-code symbologies have put this goal in reach, making it possible to encode much more highly detailed information on products and to track inventory from the loading dock through to the end-user more accurately and efficiently. Yet most linear scanners are unable to read the new 2D bar codes, and lower-end imaging and digital scanners often suffer from performance problems.

As a warehouse manager, you know timing is critical in distributing goods—you can't afford to waste time with scanners that can't keep up. You need a mobile scanning solution that will accurately capture all types of bar codes—including both 2D and one-dimensional (1D)—quickly and easily. You need efficient technology solutions so you can accurately capture data. With these capabilities, you can realize cost savings from tighter inventory control, and can also improve your ability to meet customer requirements.

Improving Performance in the Warehouse

The DS3400 Series from Symbol Technologies offers a new type of scanner, giving you the ability to scan 2D bar codes as well as older 1D symbologies. The DS3400 Series includes the DS3408, which has a multi-interface that allows it to work with a variety of hosts, and the DS3407, which offers USB functionality and the ability to transfer images, making it ideal for newer production environments. With the DS3400 Series, you can choose the scanner that is right for you—without having to worry about making a large investment in your overall architecture.

These scanners use digital technology to accurately capture all the various types of bar codes found in the warehouse, allowing you to easily track inventory throughout the distribution process. With the DS3407 and DS3408, you not only have the ability to capture both 2D and 1D bar codes, but you also benefit from the high-speed performance previously found only in laser scanners.

The DS3400 Series offers omni-directional scanning, which allows operators to quickly capture bar codes from any angle, eliminating the need to line up bar codes with laser lines. In addition, the added functionality offered

by the DS3400 two-position smart focus technology allows end users to read bar codes regardless of the size or density of the code. This feature is unique to Symbol and gives you a single device that meets all your warehouse needs.


The DS3407 and DS3408 have been built for the often-rough conditions found in the warehouse. The ruggedized scanners feature a six-and-a-half-foot drop specification and IP65-rated seal to virtually eliminate the chances of damage occurring if they are dropped or used in poor weather conditions. In addition, the handheld design of the DS3407 and DS3408 makes them easy to use—simply point and shoot—while the integrated Intellistand offers you the flexibility to quickly convert the scanners into hands-free units. The DS3407 and DS3408 provide the widest working range of any available scanner in its class, performing equally well at a distance or close-up, which helps you increase productivity.

Both scanners offer the high performance you need. Unlike many imagers that use the lower-quality sensors often found in cell phone cameras and PC cameras, the DS3407 and DS3408 digital scanners come equipped with charge-coupled device (CCD) image sensors, which use the same type of technology found in high-end digital cameras. CCD sensors allow the scanners to accurately capture and process bar codes at a faster pace than other digital scanners. In addition, the DS3407 leverages this technology to provide high-quality image capture and transfer. It offers a sub-second transfer rate that lets you capture and transfer images in less time than when using other types of digital scanners.

Improving Productivity by Expanding Options

While 2D bar codes can provide many advantages, these opportunities are often limited by the quality of available scanners. Until now, the effectiveness of these scanners has been limited by read errors, and their slow transfer rates and poor capture capabilities threaten to slow down production processes. The costs associated with these slowdowns can quickly add up.

With the DS3407 and DS3408 scanners, you benefit from a scanning solution designed for warehouse environments. Workers can quickly scan and move items, speeding distribution. Furthermore, the scanners' CCD sensors ensure accuracy, which reduces the costs associated with manual corrections.



When you gain the ability to read new and more information-rich types of bar codes, you also make significant improvements in productivity. For example, you can track inventory usage in real time and use this information to create more accurate schedules and avoid scheduling bottlenecks. This level of detailed information allows you to reduce inventory levels throughout the supply chain, which in turn helps to cut carrying costs.

Reducing the Chances of Downtime

The DS3407 and DS3408 are backed by world-class service and support designed to reduce downtime by ensuring that any problems that may occur with the scanner are quickly resolved. It's this reliability, combined with their ruggedized features, that makes the DS3400 Series of scanners ideal for the warehouse environment.

Creating New Value with a High-Performance Scanning Solution

For many warehouse operations, 2D bar codes represent an opportunity to be more efficient. But you need the scanning technology that allows you to benefit from the possibilities of 2D bar codes.

That's why Symbol has created this new line of digital scanners. Designed for today's warehouse environment, the DS3407 and DS3408 offer the high performance you need to take advantage of the part-tracking possibilities of the new 2D bar codes, and they provide these features in a ruggedized package that meets the needs of the warehouse floor.

For more information about the DS3400 line of scanners, please contact us at +1.800.722.6234 or +1.631.738.2400 or visit us on the Web at www.symbol.com/ds3400.

About Symbol Technologies

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