



Improve productivity in cold storage with an unstoppable class of scanners

3600 Series Ultra-Rugged Scanners — built for life in the freezer

The challenge: streamline operations in your harsh cold storage environments

You'd like to leverage the benefits of scanning in your freezer, chiller and other cold storage areas to reduce cycle times, improve accuracy, and provide the real-time inventory visibility needed to prevent costly stock-outs. But traditional rugged scanners aren't built to handle the challenges of this harsh and demanding environment, including:

- **Constant wide temperature swings.** When workers move between freezer and non-freezer zones, condensation can accumulate on the scanner window — impacting scan performance, even preventing scanning altogether.
- **Frost-covered barcodes.** Barcodes in cold storage environments are frequently covered with frost or condensation, making scanning difficult if not impossible. The resulting need for workers to manually process exceptions not only reduces worker productivity, it also

introduces more opportunity for errors that can translate into the late delivery of an order, or orders with missing or wrong items.

- **Non-glove friendly ergonomics.** It's difficult to operate typical scanners while wearing thick gloves.
- **Battery issues that prevent the deployment of cordless scanners.** Cold temperatures are tough on batteries. Performance typically erodes as the temperature drops. In the subzero temperatures of a freezer, many batteries can't function at all.

And while you may have a scanner rated for freezer use today, chances are the demands of this tough environment require frequent repair and replacement of scanners. The result is high capital costs, high device management costs and a high total cost of ownership (TCO).

Is there a scanner that is truly built to thrive in your cold storage environments? One that will allow you to achieve operational improvements and deliver better customer service — without increasing your workforce?

The solution: unstoppable performance in cold storage with Zebra's Ultra-Rugged 3600 Series

Zebra's 3600 Series sets the bar for ultra-rugged design and performance — delivering the unstoppable performance you need to improve productivity, enhance order accuracy and speed up shipping times in the most demanding cold storage environments. These corded and cordless scanners are engineered to meet the specific environmental and user challenges in cold storage, providing:

- **Superior scanning performance** required in tough spaces — there is a model optimized to scan all the types of barcodes in your environment, at the right range
- **Reliable operation in sub-zero temperatures** — special features prevent common problems in cold storage environments, such as the condensation that forms as workers move from the cold in the freezer to the warmth of the warehouse or dock
- **An ultra-rugged design** — a new category of scanner that is nearly indestructible for maximum uptime and a low TCO
- **Ergonomics designed for the cold** — enables easy operation with thick gloves
- **Superior cordless technology** — Bluetooth technology, a battery charge gauge and a freezer rated PowerPrecision+ battery free workers from cords and deliver the ultimate in battery power and management
- **DataCapture DNA, Zebra's exclusive software ecosystem** — simplifies every stage of the scanning experience over the life of your device

The result?

- Increased workforce productivity
- Increased accuracy
- Fewer out-of-stocks through real-time inventory visibility
- Reliable on-time delivery of the right items to the right customer
- Increased customer satisfaction and retention
- Improved workforce comfort and satisfaction



3600 Series Ultra-Rugged Scanners deliver the unmatched durability, scanning performance and manageability required in extreme cooler, refrigerator, chiller and freezer environments.

When only the most rugged design will do

When it comes to working in cold storage, you don't need a rugged design, you need an ultra-rugged design — and the Zebra 3600 Series delivers.

Sub-zero temperature rating — including the battery

Your scanners need to withstand extreme cold and heat — that's why we engineered the 3600 Series with an extreme working temperature range: -22° F to 122° F/ -30° C to 50° C (corded) and -4° F to 122° F/-20° C to 50° C (cordless). And while battery performance in cordless models often erodes as the temperature drops, our unique PowerPrecision+ battery is rated for the freezer, with zero performance degradation over the entire operating temperature range. The result? You can free your workers from cumbersome cords in the freezer, without worrying about power issues.

Designed to handle constant temperature shocks

If your workers frequently travel in and out of the freezer, a heated scanner holder accessory keeps the scanner head warm to prevent the buildup of condensation that can form on the scanner canopy and deteriorate scanning performance. Productivity is protected and performance is still unstoppable — in spite of constant substantial swings in temperature.

APPLICATION BRIEF

3600 SERIES ULTRA-RUGGED SCANNERS IN COLD STORAGE



Freezer-rated cables

A freezer-ready scanner is only as good as the cables that connect the scanner or cradle to its host computer. Unlike many other rugged devices on the market, the 3600 Series offers cables with special jacketing to maintain flexibility in subzero temperatures, preventing costly cable failure and work interruptions.

Toughened to handle it all: dustproof, sprayproof and waterproof

The 3600 Series is the only device in its class with a waterproof IP65/IP68 sealing rating, able to survive complete submersion in water. These scanners are ready for virtually every challenging warehouse environment, from dusty aisles and outdoor yards to pouring rain out on the loading dock, spilled coffee, spray downs with a high-pressure hose and wipedowns with industrial cleaners. We even sealed our Bluetooth cradle to IP65 to create a complete rugged cordless solution for your forklift. And the cradle's industrial charging contacts withstand 250,000 insertions, while our exclusive Connect+ Contact technology assures reliable, corrosion-free charging over the life of the scanner.

Built to handle drops to concrete

Many device failures occur when scanners are dropped on the concrete floor. That's why all models in the 3600 Series offer the highest drop specification to concrete at 10 ft./3 m. And with a 7,500 3.3 ft./1 m tumble

rating, you get the peace of mind that these scanners will survive the real-world tumbling that follows a drop — even in the freezer.

When only the best scanning technology will do

The faster your workers can complete a scan, the more work they can complete in a day — and your success is all about throughput. That's why the 3600 Series is loaded with our most advanced scanning technologies.

Maximum scanning speed on every type of barcode in your facility

Whether your workers are scanning 1D or 2D barcodes, you get an advanced scan engine optimized to provide maximum scanning speed. Lightning fast scanning boosts productivity and minimizes the time workers spend in the freezer, improving comfort and safety.

First-time capture of imperfect barcodes and barcodes covered with frost

Barcodes that can't be scanned instantly lower productivity levels — but cold storage is tough on barcode labels. Your most damaged barcodes are no match for our PRZM Intelligent Imaging Technology. Whether barcodes are torn, dirty, smudged, poorly printed or under a layer of frost, your workers can capture them all with one press of the scan trigger.

A family designed for the unique demands of cold storage environments

This versatile family provides the options you need to maximize worker productivity in your specific cold storage applications.

Corded/Cordless LI3600-SR

Standard range capture of 1D barcodes

Corded/Cordless LI3600-ER

Extended range capture of 1D barcodes, from 2 in./5.1 cm to 56 ft./17.1 m away

Corded/Cordless DS3600-SR

Standard range capture of 1D and 2D barcodes from near contact to nearly 5 ft./1.5 m away

Corded/Cordless DS3600-HP

High performance imager scans 1D and 2D barcodes to 7 ft./2.1 m away and captures photos, documents and OCR data

Corded/Cordless DS3600-ER

Extended range capture of 1D/2D barcodes, from 3 in./7.6 cm to 70 ft./21.4 m away

Cordless DS3600-KD

Scans 1D and 2D barcodes to 7 ft./2.1 m away, with the versatility of a keypad and color display

Corded/Cordless DS3600-HD

Advanced capture of high-density 1D and 2D barcodes

APPLICATION BRIEF

3600 SERIES ULTRA-RUGGED SCANNERS IN COLD STORAGE



The DS3600-KD with keypad and color display features the same ultra-rugged specifications of the 3600 Series, along with a glove-friendly keypad that makes it easy for workers to key in data in any environment.

Advanced ergonomics to boost productivity in the freezer

Cold environments present unique usability challenges. Scanners can be hard to use with thick gloves. Traditional beep tones can be hard to hear since workers could be driving forklifts or wearing earmuffs or earplugs. The 3600 Series features an oversized scan trigger for easy scanning, even with the thickest gloves. The ergonomic keypad on the DS3600-KD is glove friendly with a large enter key. And a user-controllable, extra-loud beeper and vibration feedback ensure that workers instantly know a scan was successful no matter how loud the environment might be.

Scan nearer and farther with one device

With expanded working ranges in every model in the 3600 Series, workers can travel fewer steps, yet capture more barcodes. All models offer up to 30 percent more working range than competitive devices.¹ And for workers that need maximum range, our DS3600-ER extended range scanner can capture extra-wide barcodes just a hands-length away, as well as barcodes on the uppermost warehouse shelves up to 70 ft./21.4 m away.

Streamline tasks with the versatility of a keypad and color display

With the DS3600-KD, picking, inventory and replenishment tasks can be completed faster and more accurately, as workers can easily key in data, such as adding quantity and location to any scanned barcode. If an order calls for multiple quantities of an item, a worker simply needs to scan an item once, then key in the quantity on the keypad. If you want more granular inventory data, workers can specify the aisle/shelf they picked the item from. When workers take a photo of a damaged shipment, they can preview the image on the display before sending it to the application.

Capture more data in the blood supply chain

If your workers need to track blood and blood products in storage containers, Zebra DataCapture DNA Blood Bag Parse+ eliminates the need to manually capture barcodes one at a time. A single scan captures all the data required on every blood bag, boosting productivity and minimizing the time spent in the freezer.

When only the most superior cordless technology will do

If you want to give your workers cordless freedom, our industry-leading technology ensures a superior experience. The PowerPrecision+ battery can power the longest, toughest shifts while the dedicated on-demand battery gauge makes it easy for workers to keep track of battery power. Your IT staff gets all the battery metrics needed to monitor battery health and spot aging batteries. You can be sure your Bluetooth scanners won't interfere with your Wi-Fi network thanks to Zebra's exclusive Wi-Fi Friendly Mode. With Virtual Tether, you won't need to worry about downtime created by a misplaced cordless scanner. And the AutoConfig cradle lets you instantly switch workflows, taking a cordless scanner from the forklift and using it for shipping, without having to manually change scanner settings.

Zebra DataCapture DNA — your ultra-rugged scanner's built-in advantage

When you invest in an ultra-rugged scanner, you need more than just great hardware — you need great software. And Zebra's DataCapture DNA delivers. This exclusive software ecosystem takes scanner performance far beyond the basics and simplifies every stage of the scanning experience over the life of your scanner. With DataCapture DNA, your scanners can be deployed quickly, scale easily as your install base grows and help your team adapt to future needs. For example, you can remotely configure and upgrade your scanners, understand fleet-wide performance and utilization trends, correct small issues before they become big problems and streamline more data capture tasks to help workers get the job done faster.

Maximize productivity in your coldest environments with Zebra's 3600 Series Ultra-Rugged Scanners.

For more information, please visit www.zebra.com/3600series

1. Exact figure varies by model



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