Boost productivity in outdoor yards with an unstoppable class of scanners

3600 Series Ultra-Rugged Scanners—built for your toughest outdoor environments

The challenge: increase productivity in the most demanding outdoor spaces

Workers that spend their days scanning baggage on the airport tarmac, containers in ports and rail yards, vehicles, or produce at the point of harvest all have one thing in common—they rely on barcode scanning to maximize productivity and task accuracy. But outdoor spaces are among the most challenging scanning environments, with:

- **High scanner failure rates:** Scanners are exposed to the elements all day. A dropped scanner can end up on pavement, in snow, mud or a deep puddle or submerged in water—posing a challenge even for some of today's most rugged scanners.
- **Large volumes of exceptions:** Outdoor environments are tough on barcodes, often resulting in damage that makes scanning impossible. And it can be hard for operators to see aiming patterns in the bright sunlight.
- **Exceptional scanning range requirements:** Workers often need to capture barcodes at close range and extraordinarily long distances, typically requiring multiple specialized scanners to do the job.

These challenges can have a significant impact on your ability to meet customer demands and your bottom line, resulting in:

- **Reduced workforce productivity** when workers need to manually process exceptions, call the help desk when their device malfunctions or juggle multiple scanners in order to address the varying scanning range requirements encountered in a typical day.
- **Reduced customer service levels** when lower productivity causes baggage to miss a flight, containers to be loaded late, or perishable goods to spoil due to shipping delays.
- **Increased device costs** due to frequent breakage, increasing total cost of ownership and reducing the return on investment.
- **High scanner management costs** due to the need to purchase multiple scanners per worker, plus hands-on requirements to deploy and troubleshoot devices.

The solution: unstoppable performance in outdoor spaces 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 raise productivity to the next level in outdoor yards, ports, rail yards and more. Built to thrive in tough outdoor environments, 3600 Series scanners will allow you to achieve operational improvements and deliver better customer service—without increasing your workforce.

This flexible portfolio of corded and cordless scanners offers:

- **The superior scanning performance** required in tough outdoor spaces—there is a model optimized to scan all the types of barcodes in use in your environment, at the right range
- **An ultra-rugged design**—a new category of scanner that is nearly indestructible for maximum uptime and a low TCO
- **Reliable operation in extreme temperatures**—ready to handle life outdoors in all four seasons
- **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 productivity and throughput
- Increased accuracy
- Better customer service and customer retention rates
- Improved workforce comfort and satisfaction
- Reduced cost and a better return on your scanner investment

3600 Series Ultra-Rugged Scanners offer a unique set of features that deliver the unmatched durability, scanning performance and manageability required in outdoor spaces.

When only the most rugged design will do

When it comes to enabling scanning in outdoor environments, you don't need a rugged design, you need an ultra-rugged design—and the Zebra 3600 Series delivers.

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 outdoor environment, from pouring rain on the loading dock to dusty yards, puddles, spilled coffee, spray downs with a high-pressure hose and wipedowns with industrial cleaners. We even sealed our Bluetooth cradle to IP65, creating the first complete ultra-rugged cordless solution for your forklift, yard dog and other material handling equipment drivers. 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 devices are dropped on the concrete of the tarmac at an outdoor yard, airport or seaport. 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.

Ready for winter sub-zero temperatures —and hot summer days
Your scanners need to be able to handle life outdoors in all four seasons—so we built the 3600 Series to withstand extreme heat and cold. Our unique PowerPrecision+ battery is rated for the freezer, with zero performance degradation over the entire operating temperature range. Cables with special jacketing maintain flexibility in subzero temperatures, preventing costly cable failure and work interruptions. And temperature won't impact scanning performance—workers can even capture barcodes covered in frost.

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.

Scan nearer and farther with one device
With expanded working ranges in every model in the 3600 Series, workers can take 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-XR extended range scanner can capture extra-wide barcode closer than a hands-length away, as well as barcodes on very high stacked shipping containers or across the yard as far as 105 ft./32 m away

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.

First-time capture of imperfect barcodes
The outdoors is a tough place for a barcode label. And barcodes that can't be scanned instantly lower productivity levels. But your most damaged barcodes are no match for our PRZM Intelligent Imaging Technology. Whether barcodes are torn, dirty, smudged, poorly printed, wet from rain or the morning dew, or under a layer of frost, your workers

*DS3600-ER is available in North America only.

A family designed for the unique demands of outdoor yards and ports

This versatile family provides the options you need to maximize worker productivity in your outdoor 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; scan items in hand as well as high containers with the same device

Corded/Cordless DS3600-XR
Widest extended scanning range of 1D and 2D barcodes, from 2 in./5 cm to 105 ft./32 m away, with high visibility green laser aimer.

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

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.

can capture them all with one press of the scan trigger.

Easy aiming—even in bright sunlight
Every model offers the superior aiming technology your workers need to capture any size barcode at any length, in any lighting condition, from the bright noon sun to the haze and fog that are common at seaports.

Advanced ergonomics to boost productivity
Outdoor yards and ports 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.

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. And when workers take a photo of a damaged shipment, they can preview the image on the display before sending it to the application.

Beyond barcodes to photos, documents and signatures—we offer a model that can handle it all
With the ability to capture additional types of information, you can streamline other workflows in your docks and yards.[2] For example, workers can capture a photo to document damage to a shipping container or a bill of lading to electronically document proof of receipt for an incoming shipment.

Capture more data with advanced parsing tools
If your workers need to capture multiple barcodes on a label or container, Zebra DataCapture DNA tools make it easy.[2] With Multi-Code Data Formatting (MDF), 3600 Series scanners can capture multiple barcodes with a single scan and transmit only the barcodes you need, in the order your application expects. And Label Parse+ instantly captures and parses GS1 label barcode data, enabling workers to easily capture a wealth of data, including expiration dates and lot number/manufacturing location.

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.

1. Exact figure varies by model
2. DataCapture DNA parsing tools, such as Multi-Code Data Formatting and Label Parse+, as well as the ability to capture images, are supported on DS imager models only

Maximize productivity in your outdoor environments with Zebra's 3600 Series Ultra-Rugged Scanners. For more information, please visit **www.zebra.com/3600series**

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