RS5000x Corded Wearable Scanner

High performance 1D/2D scanning from the warehouse freezer to the retail floor

Boost productivity in your hands-free workflows and be ready for the rise of 2D barcodes with the RS5000x Corded Wearable Scanner. Give your workers comfort and durability, even in challenging environments — from the freezer to the floor in warehouses, manufacturing plants and retail backrooms. Lightweight and perfectly balanced for full-shift comfort, the RS5000x is worn on a single finger on either hand, leaving both hands free to handle materials — and the swivel feature allows workers to change hands on the fly. An advanced scan engine delivers split-second scanning of any barcode in virtually any condition. Every worker can get a comfortable and secure fit with the new durable strap and quick-adjust metal buckle. Just connect the RS5000x to a Zebra wearable computer and it's ready for work, providing the simplicity and affordability of a corded wearable scanner — with unmatched high performance rapid scanning.

Increase Productivity, Data Accuracy and Consumer Safety

Fast and Flawless Data Capture
The high-performance SE4770 1D/2D scan engine offers exceptional motion tolerance to ensure fast and accurate scanning — even when objects or workers are in motion. With Zebra's PRZM Intelligent Imaging technology, workers can capture virtually any printed or digital 1D and 2D barcode — including printed barcodes that are scratched, dirty, poorly printed and even under shrinkwrap or frost. And a versatile scanning range allows workers to capture barcodes from near contact to over 3 ft (0.9m) away.

Easy, Accurate Aiming in More Conditions
The scanner's red laser cross-hair aimer stays bright and crisp across the scanning range for faster, more intuitive aiming and pinpoint accuracy.

Ready Your Workflows for the Rise in 2D Barcodes
With the RS5000x, you're ready to scan Information-rich 2D barcodes that contain the wealth of data required to track and trace goods for end-to-end supply chain visibility and improved consumer safety. In critical supply chains, the use of 2D barcodes is mandated by regulatory organizations around the world. For example, the U.S. Food Safety Modernization Act (FSMA) requires the use of 2D barcodes to increase the safety of the food supply chain from the field to the store shelf by enabling the rapid identification and removal of recalled contaminated items — and items that have reached their expiration date. And the U.S. Drug Supply Chain Security Act (DSCSA) requires 2D barcodes on pharmaceuticals to protect patient safety by enabling identification and confiscation of counterfeit drugs in the supply chain.

Unmatched Versatility and Ergonomics

Get a Perfect Fit in Seconds
The intuitive design requires no training. The metal quick-adjust Cam buckle enables workers to make the swift and precise adjustments required for a perfect hassle-free fit on any finger — and a rapid adoption rate.

Add high performance 1D/2D scanning to your Zebra wearable computers with the RS5000x Corded Wearable Scanner.
For more information, please visit www.zebra.com/rs5000x

Superior Cold Chain Performance

The RS5000x works in freezers, coolers and outdoors in the subzero cold — making it ideal for grocery and pharmaceutical supply chains. The RS5000x offers the lowest operating temperature range in its class — down to -22F (-30C). And the RS5000x is drop tested across the entire operating temperature range — a must for freezer use where extreme cold can make plastics brittle and prone to shattering on impact.

New Trigger Mount Optimized for Freezer Gloves

Cold chain workers need to wear heavy freezer gloves. That's why the RS5000x offers a freezer trigger mount version optimized for wearing over thick gloves. The freezer trigger features a specialized finger perch that provides a secure and comfortable fit over heavy gloves — no slipping or rotating. The finger perch also helps ensure proper blood circulation in the finger, protecting worker safety. A larger trigger pad makes it easier to actuate with freezer gloves without misfires — boosting productivity and accuracy. And since you can swap standard and freezer triggers, the RS5000x easily adapts to changing workflow and device needs.

Ambidextrous Operation

With the convenient swivel feature, your workers can easily switch between right and left-handed operation on the fly, allowing users to choose the hand that is most comfortable — and switch hands in seconds. And there's no need to invest in separate right- and left-hand assemblies.

A Smart Investment: Maximum Durability, Reliability, Manageability and Simplicity

Built to Last for Years

The RS5000x is designed to handle drops to concrete, bumps and even high-pressure hose downs. The metal buckle and durable nylon strap on the finger mount is highly resistant to wear — and is a step up from hook and loop fasteners such as Velcro®, which can fray with repeated adjustments over time.

The Simplicity of Corded Operation

Simply connect the scanner's integrated cable to a Zebra wearable computer — such as the WT6400, WT6300 and WT6000. The RS5000x instantly powers up and is ready for work — no additional pairing steps are required. And since the host computer powers the RS5000x, there's no need to purchase and manage a separate scanner battery and charger, reducing the cost of your scanning solution.

Minimize Downtime with Field Replaceable Triggers and Straps

Removable and swappable trigger assemblies enable easy replacement right on site — minimizing downtime and trips to the service depot.

Easy to Manage

Remotely manage the RS5000x with the same Enterprise Mobility Management (EMM)/Mobile Device Management (MDM) solution you use today to manage your Zebra mobile devices. When the RS5000x is connected to a Zebra wearable terminal, you have complete control, able to configure settings, monitor performance and more, minimizing device management time and cost.

Keep Scanners Running at Peak Performance with Zebra OneCare

Eliminate unexpected repair costs and workflow disruptions with Zebra Maintenance Plans. You get a quick repair turnaround and accidental damage coverage — if it's broken, we fix it. And you can choose the right level of support you need for your operations, including next-day "like new" device replacement.

Specifications

Physical Characteristics

Dimensions	Finger scanner only: 2.0 in x 1.6 in x 0.8 in (51.5mm X 32mm X 21.5mm) Finger scanner + standard mount: 2.0 in x 1.6 in x 1.8 in (51.5mm X 32mm X 46.5mm) Finger scanner + freezer mount: 2.0 in x 1.6 in x 2.1 in (51.5mm X 32mm X 53.6mm)
Weight (includes cable)	Standard mount: 2.7 oz (78g) Freezer mount: 2.9 oz (82g)

Performance Characteristics

Optical Resolution	1280 x 800 pixels
Roll	360°
Pitch	+/- 60°
Skew	+/- 60°
Aiming Element	SE4770: 655 nm Laser
Illumination	SE4770: 1 Hyper Red 660 nm LED
Field of View	SE4770: Horizontal: 48°, Vertical: 30°
Ambient Light Immunity (from total darkness)	Max 107,639 lux (direct sunlight)
Supported 1D Symbologies	Code 39, Code 128, Code 93, Codebar/NW7, Code 11, MSI, UPC/EAN, I 2 of 5, Korean 3 of 5, GSI DataBar, Base 32 (Italian Pharma)
Supported 2D Symbologies	PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes
Supported OCR Symbologies	OCR-A, OCR-B

User Interface

LED	Two color red/green scan status LED
Scan Triggering	Manual ambidextrous trigger

User Environment

Operating	-22F to +122F (-30C to +50C)
Storage	-40F to +140F (-40C to +60C)
Humidity	5% to 95% non-condensing
Environmental	IP65
Drop Specification	Multiple 4 ft (1.2m) drops to concrete over the operating temperature range
Tumble	1,000 1.64 ft (0.5m) tumbles
Vibration	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
Electrostatic Discharge (ESD)	±15kVdc air discharge; ±8kVdc contact discharge

Software Compatibility

DataWedge and select EMM/MDM solutions via Zebra Mx and OEMConfig

Decode Ranges (Typical)[1]

Symbology/Resolution	Near/Far
Code 39: 3 mil	3.0 in to 5.8 in (7.6cm to 14.7cm)
Code 128: 5 mil	2.3 in to 9.8 in (5.8cm to 24.9cm)
PDF 417: 5 mil	3.0 in to 7.9 in (7.6cm to 20.1cm)
PDF 417: 6.7 mil	2.5 in to 10.1 in (6.4cm to 25.7cm)
Data Matrix: 10 mil	2.1 in to 11.0 in (5.3cm to 27.9cm)
UPCA: 100%	1.6 in to 24.9 in (4.1cm to 63.2cm)
Code 128: 15 mil	2.4 in to 27.8 in (6.1cm to 70.6cm)
Code 39: 20 mil	1.6 in to 36.1 in (4.1cm to 91.7cm)
QR: 20 mil	1.1 in to 17.5 in (2.8cm to 44.5cm)

Warranty

Subject to the terms of Zebra's hardware warranty statement, the RS5000x is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: www.zebra.com/warranty

Recommended Services

Zebra OneCare Essential and Select: Maximize Zebra device availability, device value and operational efficiency with these fully-featured maintenance plans that set the industry bar for support. For more information, please visit www.zebra.com/services

Footnotes

1. Distance dependent on symbology type and size. Specifications are subject to change without notice.

Markets and Applications

Warehouse and Distribution

- Picking and put-away
- Receiving
- Inventory management
- Cross docking
- Trailer loading and unloading

Manufacturing

- Work in Process (WIP)
- Quality Control
- In-house equipment service
- Asset tracking

Retail (Backroom)

- Price management
- Returns processing
- Inventory management
- Receiving
- Order fulfillment

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