MP72 Series Multi-Plane Scanner/Scale

Redefine the checkout experience with unmatched speed and unrivaled innovation

In an age of endless shopping choices, customers expect to get in and out of stores quickly, with a choice of how they shop. Set a new standard for checkout convenience with the MP72 Series Multi-Plane Scanner/Scale.[1] As Zebra's latest bioptic scanner, the MP72 Series delivers the fastest checkout performance yet—with premium scanning speeds and an ease of use that ensures every customer enjoys a swift and seamless experience. Innovative features include an optional color camera that enables computer vision applications and helps minimize shrink, so you can optimize your workforce and provide customers with convenient self-checkout options without hurting your bottom line. A smart investment, the MP72 Series makes it easy and cost-effective to modernize your checkout with low energy consumption, superior uptime and easy integration with existing infrastructure.



Exceed Expectations with Faster-Than-Ever Checkouts

Premium scan performance from an industry leader
With a high-resolution megapixel sensor and Zebra's exclusive PRZM Intelligent Imaging technology, the MP72 Series offers unmatched scanning speed and simplicity on virtually any 1D, 2D, GS1 or Digimarc®, paper and mobile barcode. Poorly printed, damaged, crinkled or faded barcodes won't slow down your checkouts. Offset illumination makes it even easier to scan reflective barcodes on customer phones and glossy packaging.

Future-ready with optimized 2D and Digital Link performance
As information-rich 2D barcodes like GS1 Digital Link become more prevalent at the POS, your customers still expect the easy swipe experience of 1D. New hardware and software advancements deliver significantly better 2D performance, helping ready your checkout lanes for the rise of 2D barcodes.

Maximum checkout speeds with up to 2x larger fields of view
With high swipe speeds and fields of view that are up to 100% larger than other scanners in its class[2], the MP72 Series makes scanning second nature. There's less need to carefully position barcodes—providing a simpler experience for everyone, from experienced cashiers to first-time users.

Innovative Features at Self-Checkout Drive Higher ROI and Reduce Shrink

Optional color camera enables new vision-based applications
An optional HD color camera captures the smallest details, paving the way for new computer vision applications that enhance the customer experience and protect your bottom line. Produce recognition applications can help identify produce to streamline item selection for faster, easier checkouts. Loss prevention applications can identify suspicious transactions, ensuring the proper barcode is scanned for an item. And the presence of livestreaming video at self-checkout can discourage fraud.

reddot winner 2025

Redefine the checkout experience with the MP72 Series—unmatched speed and innovation for high volume POS lanes. For more information, please visit www.zebra.com/mp72series

Ensure accurate weight measurements every time
The L-shaped platter design increases the active weighing surface area, making it easier to capture the full weight of large items. Zebra's Weight Guard intelligently senses whenever an item is not fully on the weighing surface and alerts the POS to take the steps necessary to prevent an underweight reading.

Fight loss with EAS support
Optional support for electronic article surveillance (EAS) systems gives your customers a seamless shopping experience—a single swipe deactivates the EAS tag and captures item price. Interlock eliminates the risk of "sweethearting" and other forms of shrink as the barcode must be scanned in order to deactivate the EAS tag.

Works with overhead cameras for loss prevention
The "good decode" LED is visible from front and top views, making it easy for users and self-checkout attendants to confirm that a scan was completed. Overhead cameras can utilize the LED for loss prevention—tracking a successful scan for every item placed in the bagging area.

Enhance Your Customer's Checkout Experience

Eye-friendly intelligent illumination
Since the recessed illumination is practically invisible and dimmed when not scanning, the MP72 Series is easier on the eyes of cashiers and customers.

Easy self-scanning with customer facing scanner
In cashier-assisted lanes, an optional customer facing scanner lets customers scan their mobile or paper coupons, loyalty cards, impulse buys and more.

Add handheld scanners for in-cart scanning
Standard auxiliary ports can support a handheld scanner, so users can easily reach heavy or bulky items in the cart.

Minimize exceptions for faster checkouts
Zebra's selectable label identifiers can convert one barcode type to another—for example convert a QR code to code 128—to eliminate exceptions and manual data entry that slow down transactions.

A Smarter Investment

Lowest power consumption in its class
With energy bills among the largest in-store operating expenses, it's critical to make your store as energy efficient as possible. Zebra's Intelligent Illumination system activates the LED lights only when merchandise is in the scan zone. The result? The MP72 Series uses up to 50% less power than other bioptic scanners.

Deploying made easy
With three standard sizes, the MP72 Series has the right solution to fit your store. It can drop right into an existing cash wrap, providing a cost-effective path to the latest POS technology. Multiple on-board interfaces ensure compatibility with all popular POS systems and auto-host detect cables simplify installation.

Superior durability for maximum uptime
The MP72 Series is designed with over 50% fewer interconnects and PCBs than other multi-plane scanners—resulting in fewer failure points, fewer parts to repair and fewer things to go wrong. Solid state technology minimizes wear and tear to further lower breakdown and repair costs. A spill-proof design protects against inevitable spills and you can choose Sapphire or Diamond-Like Carbon (DLC) coating glass.

Easily serviceable
The MP72 Series is the least complex, most reliable and most easily serviceable scanner assembly in its class. And with Zebra's Remote Diagnostics, you can remotely monitor the status of illumination, sensors, cameras, scales, boards and more without having to travel onsite to diagnose a problem.

Make data-driven decisions informed by your scanners
Zebra's IoT Connector, a fully automated real-time data collection tool, routes data from your scanners into your preferred IoT endpoint. You can mine the data and get the insights needed to make decisions in real time.

Zebra DNA™—your scanner's built-in advantage
With more than 50 years of field-proven innovation, Zebra knows the scanning journey better than other providers. That's why we've developed Zebra DNA, a suite of software tools that make it easy to navigate your scanning journey. For example, 123Scan simplifies every step of deploying your scanners. With Advanced Data Formatting, you can easily create scanner data formatting rules to optimize your workflows and solve business problems. Powerful complimentary management software enables easy remote management. And much more.

Specifications

Physical Characteristics	
Dimensions	**Long scanner and scanner/scale:** 20 in. L x 11.5 in. W x 4.00 in. D x 5.00 in H 506 mm L x 292 mm W x 101 mm D x 128 mm H **Medium scanner and scanner/scale:** 15.7 in. L x 11.5 in. W x 4.00 in. D x 5.00 in. H 398 mm L x 292 mm W x 101 mm D x 128 mm H **Short scanner:** 13.9 in. L x 11.5 in. W x 4.00 in. D x 5.00 in. H 351 mm L x 292 mm W x 101 mm D x 128 mm H
Weight	Long scanner: 13.10 lb/5.94 kg Long scanner/scale: 17.85 lb/8.10 kg Medium scanner: 11.20 lb/5.06 kg Medium scanner/scale: 15.95 lb/7.22 kg Short scanner: 11.55 lb/5.22 kg
Scale	30 lb in 0.01 lb increments/15 kg in 5 g increments Maximum static weight: 300 lb/136 kg Single-cable and dual-cable protocols Compatible with Mettler price computational scales Options: 0-12 lb in 0.005 lb increments and 12-30 lb in 0.01 lb increments 0-6 kg in 2 g increments and 6-15 kg in 5 g increments Single-head and dual-head remote scale displays
Horizontal Glass	Sapphire and DLC coated; leek bar option for scale models
User Indicators	Soft touch capacitive pads (no buttons to break or wear out) Good Decode LED (Front and Top) Speaker (adjustable tone and volume) Four programmable buttons
Ports	One shared POS port for USB/RS-232/IBM RS-485 Three USB peripheral ports Two powered RS-232 peripheral ports Checkpoint Interlock port Remote scale display port Color Camera USB 3 type-C
Supported Host Interfaces	USB, RS232, IBM46XX over RS485, SNAPI
Electronic Article Surveillance	Compatible with Checkpoint and Sensormatic EAS deactivation system
Power	12VDC from POS interface cable (USB PlusPower) Zebra PWR-BGA12V50W0WW power supply: 90-264 V (110-240 nominal), 47-63Hz (50-60 nominal) Idle Mode: 2.0 W (typical) Active Mode: 2.75 W (typical)
User Environment	
Operating Temperature	32.0° F to 104.0° F/0.0° C to 40.0° C
Storage Temperature	-40.0° F to 158.0° F/-40.0° C to 70.0° C
Humidity	20% to 95%, non-condensing
Environmental Sealing	IP5X
Ambient Light Immunity (for scanning)	Artificial Light: 0—450 Foot Candles (4,842 LUX) Sunlight: 0—8,000 Foot Candles (86,080 LUX)
Imaging Technology	
Type	CMOS Array Imager
Illumination	Intelligent illumination
Sides Read/Scan Zone	Reading of linear and 2D codes in all planes

Color Camera	
Resolution	HD Camera
Interface	Industry standard USB 3 Type-C
Orientation	Landscape, upper (facing down) or lower (facing up)
Graphic Format	Bitmap, JPEG, RAW
Illumination	White LED
Symbol Decode Capability	
1D	All major 1D barcodes including Code 39, Code 128, Code 93, Codabar/NW7, Code 11, MSI Plessey, UPC/EAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma)
2D	All major 2D barcodes including PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Han Xin, Postal Codes, SecurPharm and future GS1 Digital Link barcodes
Digimarc	Digimarc barcodes
Minimum Input Resolution	Code 39: 3.0 mil; Code 128: 3.0 mil; DataMatrix: 5.0 mil; QR Code: 5.0 mil
Refer to Product Reference Guide for complete list of symbologies.	
Accessories	
Customer Facing Scanner, Pole Displays, Single and Dual Head	
Regulatory	
Environmental	EN IEC 63000:2018
Electrical Safety	UL 62368-1; CAN/CSA-C22.2 No. 62368-1-14; IEC 62368-1; EN 62368-1
LED Safety	IEC 62471; EN 62471
EMI/RFI	47 CFR Part 15, Subpart B, Class B; ICES-003 Issue 7, Class B; EN55032, EN55024, EN55035; EN61000-3-2; EN61000-3-3
Utilities and Management	
123Scan	Programs scanner parameters, upgrades firmware, displays scanned barcode data, scanning statistics, battery health, asset data and prints reports. www.zebra.com/123scan
Scanner SDK	Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. www.zebra.com/scannersdkforwindows
Scanner Management Service (SMS)	Remotely manages your Zebra scanner and queries its asset information. www.zebra.com/sms
Loss Prevention	EAS Checkpoint supported Checkpoint Interlock via optional cable Sensormatic supported Color camera for image/video transfer or live streaming (optional) Front and top “Good Decode” LED Zebra Scale Platter: Integrated horizontal and vertical platter for increased weighing area Zebra Weight Guard

Markets and Applications

Retail

- Grocery
- Supermarkets/ hypermarkets
- Mass merchandisers
- Discount chains
- Warehouse clubs
- Pharmacies
- Self-checkout systems in any retailer

Applications

- Point of sale (manned and self-checkout)
- Paper and mobile barcodes
- Produce identification
- Loss prevention
- Age verification
- EAS
- Loyalty applications
- Vision-based applications

Warranty

Subject to the terms of Zebra's hardware warranty statement, the MP72 Series, is warranted against defects in workmanship and materials for a period of One Year from the date of shipment. Complete Zebra hardware product warranty statement: www.zebra.com/warranty

Recommended Services

Zebra OneCare™ Select; Zebra OneCare Essential

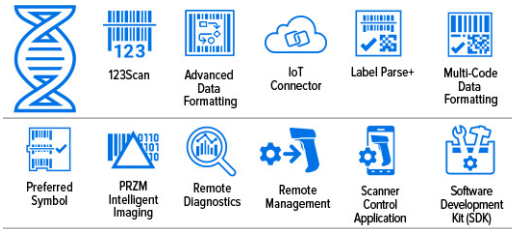
Footnotes

1. MP72 Series and accessories available Q2 2024
2. Depending on barcode location

Specifications are subject to change without notice.

Zebra DNA

Zebra DNA is a suite of highly intelligent firmware, software, utilities and apps exclusively engineered to add functionality and simplify the deployment and management of Zebra scanners. For more information about Zebra DNA and its applications, please visit www.zebra.com/datacapturedna



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