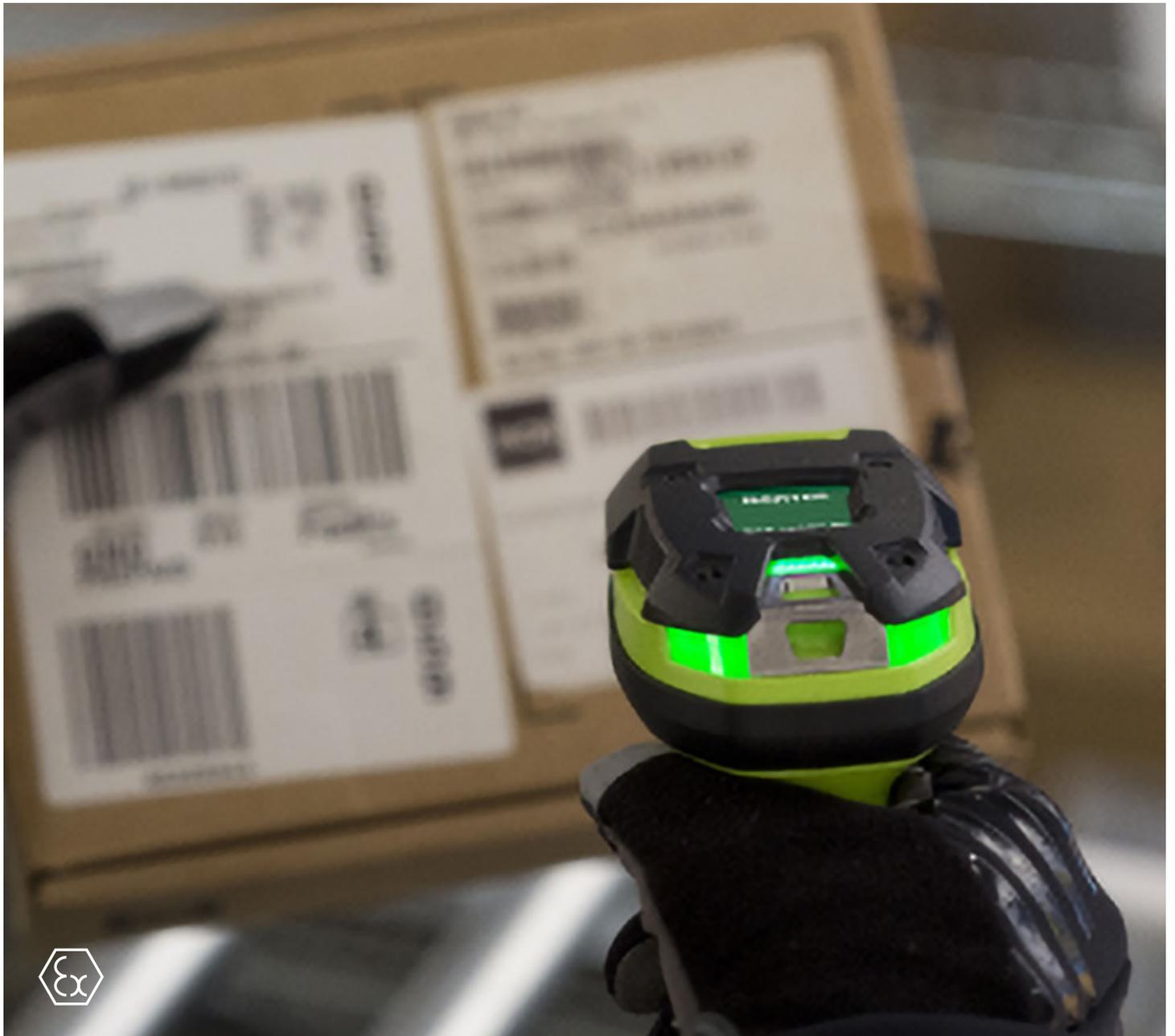
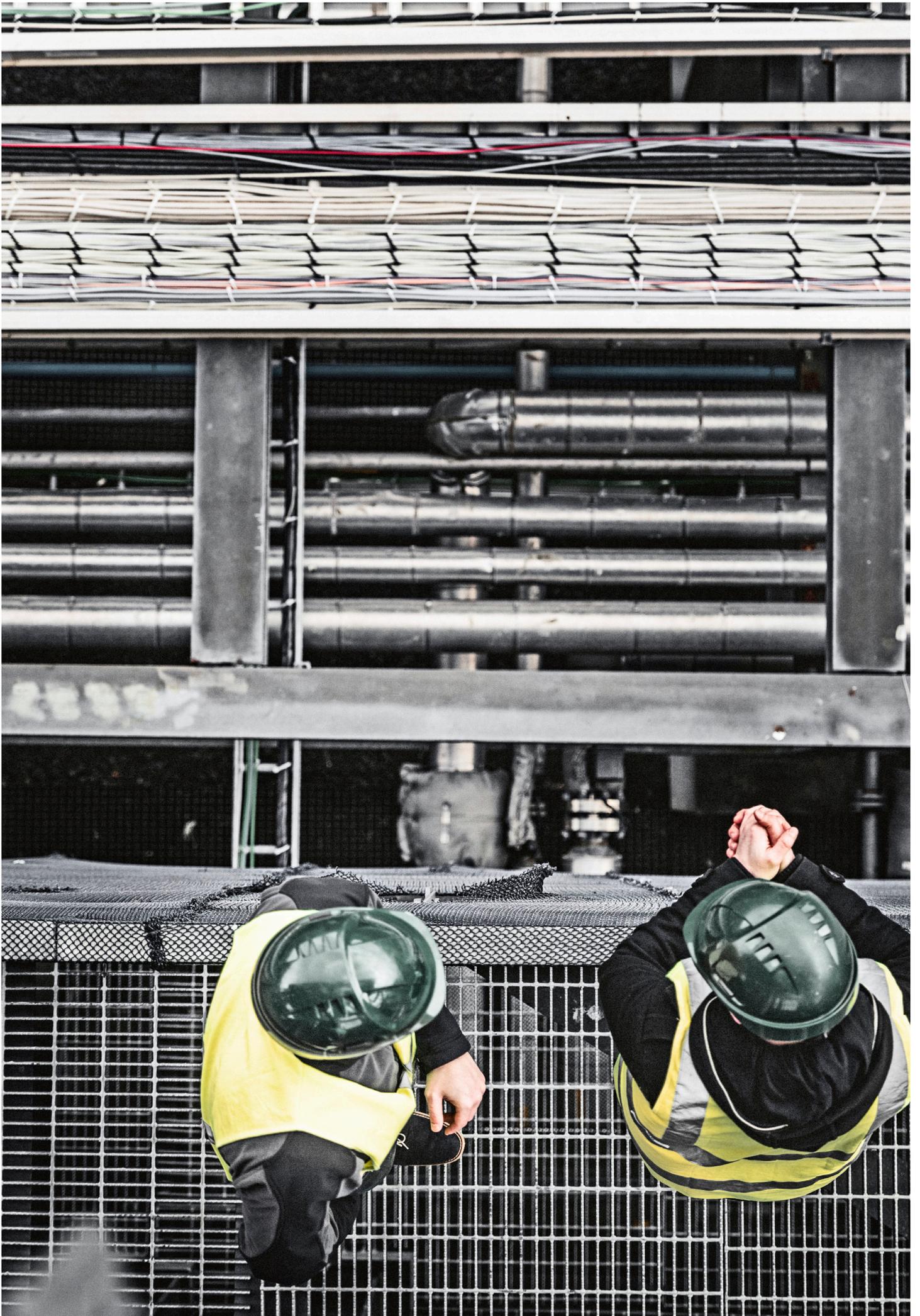


BCS3600ex-series Overview of data capture capabilities and tools

A scanner's performance is defined by its scanning abilities. Learn more about BARTEC handheld scanner's abilities and boost efficiency across your operations.





BCS3600 series – scan engines

SE 4750 – 1D/2D High performance scan engine

Designed for mid-range reading of 1D/2D barcodes – up to 7 ft. / 2.1 m away – with the flexibility to capture photos, documents, signatures and OCR.

SE4850 – 1D/2D Extended range scan engine

Designed to capture standard and extra-wide 1D/2D barcodes over an industry-leading range from 3 in. / 7.6cm to 70ft / 21m.

Scan engine read range

BARTEC Type	Zebra Type	Symbology /Barcode	Module Width	Distance		
Scanner: SE4750-HP – Standard Range				Near	Far	
17-A1S4-*HP* 17-A1S4-*HP* B7-A2S4-*HP* B7-A2S4-*HP*	DS36x8-HP	Code 128	5 mil	15.2 cm	35.6 cm	
			20 mil	12.7 cm	114.3 cm	
			40 mil	7.1 cm	203.2 cm	
		Data Matrix	7.5 mil	17.8 cm	27.9 cm	
			10 mil	15.2 cm	38.1 cm	
			Code 39	20 mil	5.1 cm	109.0 cm
			100% UPC	13 mil	2.8 cm	91.0 cm
		PDF417	5 mil	20.3 cm	29.2 cm	
Scanner: SE4850-ER – Extended Range				Near	Far	
B7-A2S4-*ER* B7-A2S4-*ER*	DS36x8-ER	Code 128	15 mil	12.7 cm	254.0 cm	
			40 mil	8.9 cm	660.4 cm	
			100 mil	7.1 cm	203.2 cm	
			reflective	50.8 cm	2133.6 cm	
		Data Matrix	10 mil	10.1 cm	111.76 cm	
			55 mil	10.1 cm	635.0 cm	
			100 mil	12.7 cm	1016.0 cm	
			200 mil	25.4 cm	1270.0 cm	
Code 39	100 mil	50.8 cm	1778.0 cm ⁽¹⁾			

Note

(1) The range is reduced when the ambient brightness is lower. Due to the Ex modifications, the decode ranges of the BCS36*8ex-IS are up to 45% lower than the ranges of BCS36*8ex-NI and ZEBRA.

Data Capture Features

The BCS3600 series can capture a wide range of data from traditional barcodes to pictures and post codes.

Data Capture Features	HP (SE4750)		ER (SE4850)
	Zone 2 / Div 2	Zone 1	Zone 2
1 D	Yes	Yes	Yes
2 D	Yes	Yes	Yes
Postcodes	Yes	Yes	Yes
Documents and Pictures	Yes	Yes	Yes
IUID (Item unique identification)	Yes	Yes	Yes
OCR (optical character recognition)	Yes	Yes	No
Digimarc	No	No	Yes
Signature Capture	Yes	Yes	No
Multi-code Capture	Yes	Yes	Yes

If you need a detailed overview on the data capture options take a look on the spreadsheet on the next page.



Note
The performance of data capture for Zone 1 solution may vary slightly due to the required ex- modifications.

Data Capture Options and supported symbologies

Decode/Data Capture Options	Symbology/ Code-Type	BCS36x8ex-HP	BCS36x8ex-ER
1D-Barcodes	UPC/EAN/JAN (UPC-A, UPC-E, UPC-E1, EAN-8, EAN13, JAN-8, JAN-13, UPC/EAN/JAN with supplementals, Bookland EAN (ISBN), UCC Coupon Extended Code, ISSN EAN)		
	Code 128 (GS1-128 formerly UCC/EAN-128), ISBT 128, ISBT Concatenation)		
	Code 39 (Code 39 Full ASCII, Trioptic Code 39, Code 32)		
	Code 93		
	Code 11		
	Interleaved (Standard) 2 of 5 (ITF)		
	Discrete (Industrial) 2 of 5 (DTF), Discrete 2 of 5 IATA	Yes	Yes
	Chinese 2 of 5		
	Matrix 2 of 5		
	Codabar (NW-7)		
	MSI (Plessey)		
	Korean 3 of 5		
2D-Barcodes (PDF-barcodes are part of 2D-barcode symbology family)	GS1 DataBar variants (GS1 Databar - 14 (RSS-14), GS1 Databar - Limited, GS1 Databar - Expanded, GS1 Databar to UPC/EAN)		
	PDF417		
	MicroPDF417		
	Data Matrix		
	GS1-Data Matrix		
	Maxicode		
	QR Code	Yes	Yes
	GS1-QR Code		
	Micro QR Code		
	Aztec		
	Han Xin (Chinese Sesible)		
	Composite (Composite CC-C, Composite CC-A/B, Composite TLC-39, Composite - GS1-128 Emulation Mode for UCC/EAN Composite)		
Postcodes	US Postnet		
	US Planet		
	UK Postal		
	Japan Postal		
	Australia Post	Yes	Yes
	KIX Code (Dutch)		
	Royal Mail 4 State Customer		
	UPU 4 State Postal FICS (Post US4)		
USPS 4 State Postal (Post US3)			
USPS 4CB/One Code/Intelligent Mail			
OCR optical character recognition (6 to 60 point OCR font)	OCR-A/B, MICR-E13B, Serial numbers of US currency	Yes	No
Document & photos	Basic - capture	Yes	Yes
	Advanced - capture	Yes	No
IUID	Supports IUID parsing, the ability to read and separate IUID fields according to application requirements.	Yes	Yes
Digimarc	Digital watermarking technology	No	Yes

What data capture functions and utilities are available with BCS3600ex series?

The BCS36x8ex series is based on Zebra DS36x8 series.

The devices are available with a wide range of functions and utilities what improve the data capture and device functionality in daily work processes.

Reach new levels of productivity with innovations that streamline tasks, optimize device performance, and keep you ahead of the curve.

The Zebra Data Capture DNA – “Productivity Tools” functions and utilities as well available for the BARTEC Ex-version of the BCS36x8 series.

Productivity questions

- Are your employees currently struggling multiple barcodes?
- Do you have issues capturing one barcode on a label with many barcodes?
- Do Wi-Fi disruptions concern you? Are they preventing you from using Bluetooth scanners?
- Do you have issues scanning barcodes in poor condition?
- Do you think that your scanning sweet spot is too narrow?
- Are you currently using flatbed document scanners?

If you answered yes to any of these questions, then read the next pages. Together with Zebra, we offer a variety of functions and utilities with BCS3600ex series to specifically tackle these challenges.

Available functions and utilities on BCS3600ex series:

Functions / utilities	Supported?	
	BCS36x8ex-HP Standard Range (SE4750-HP) (based on Zebra DS36x8-HP)	BCS36x8ex-ER Extended Range (SE4850-ER) (based on Zebra DS36x8-ER)
Single-Code Data Formatting	Yes	Yes
Picklist mode	Yes	Yes
Multi-Code Data Formatting (MDF)	Yes	Yes
Label Parse+	Yes	Yes
UDI Scan+	Yes	Yes
Blood Bag Parse+	Yes	Yes
PRZM Intelligent Imaging	Yes	Yes
Preferred Symbol	Yes	Yes
Intelligent Document Capture	Yes	No
WI-FI Friendly Mode	Yes	Yes

All available functions and utilities can be setup with Zebra 123 Scan Utility or by using programming barcodes from available manuals.



Available productivity tools

Description

Zebra icon

System picture

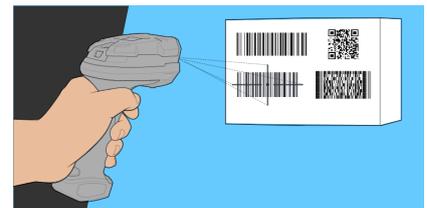
Single Code Data Formatting

Standard data capture option to scan one barcode with 1 scan.



Picklist mode

Enables the digital scanner to decode only barcodes that are aligned under the laser crosshair or LED aiming dot. It allows users to easily select and scan a single barcode from a field of barcodes.



Multi Code Data Formatting

Scan multiple barcodes with a single trigger pull. The application can be programmed to scan once and transmit only the barcodes users want, in the sequence they want.



Highlights:

- Decode every barcode on a label in a single trigger pull
- Automatically format them for your host
- Output them in the order you need
- Get more done with fewer mistakes by automating error-prone manual processes
- Program easily within 123Scan

[→ Go to Multi Code Data Formatting webpage](#)

Label Parse+

Instantly parse GS1 label barcode data to improve quality control, inventory visibility and traceability. Now, with one press of the scan trigger, you can instantly capture all of the barcodes you need and send the data directly to your application.



Highlights:

- More effectively track products, manage inventory and increase accuracy in your manufacturing, shipping, storage and receiving operations
- Decode every barcode on a label in a single trigger pull
- Automatically format them for your host
- Output them in the order you need
- Get more done with fewer mistakes by automating error-prone manual processes
- Program easily within 123Scan

[→ Go to Label Parse+ webpage](#)

Available productivity tools

Description

Zebra icon

System picture

UDI Scan+

Unlock the benefits of UDI (Unique Device Identification) to improve efficiency. A single scan captures and parses UDI information, sending data in the right order to the right fields in your application.

Highlights:

- Seamlessly capture UDI barcoded data and send it to your application
- Supports all UDI structures and standards
- Program easily within 123Scan

[→ Go to UDI Scan+ webpage](#)



Blood Bag Parse+

Instantly capture, parse and transmit the data on blood bags right to your application, all with a single scan.

Highlights:

- Seamlessly capture and process blood bag barcoded data
- Increase patient safety and more with complete traceability of blood products
- Program easily within 123Scan

[→ Go to Blood Bag Parse+ webpage](#)



PRZM Intelligent Imaging

PRZM sets the bar for 2D imaging by enhancing decode performance and snappiness, dramatically improving the user experience.

Highlights:

- Capture it all the first time, every time
- Scan data up to 70 feet away with our extended range imagers
- Reduced power consumption equals lower electric bills
- Read any type of data today and tomorrow, since we're constantly evolving PRZM to keep you future ready

[→ Go to PRZM webpage](#)



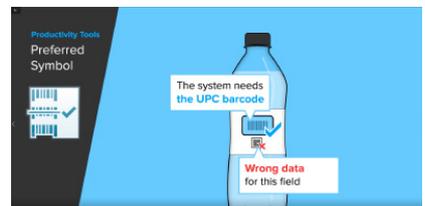
Preferred Symbol

Zebra's Preferred Symbol is a barcode prioritization technique that lets one barcode, scanned among other barcodes, to be singled out for decoding while excluding the others.

Highlights:

- No need to cover unwanted barcodes
- Ensure the right barcode is selected, avoiding costly mistakes
- Program easily with 123Scan

[→ Go to Preferred Symbol webpage](#)



Available productivity tools

Description

Intelligent Document Capture

Eliminate the cost and space required for a document scanner. Capture an image while processing barcode data and automatically optimize image appearance by de-skewing and brightening.

Highlights:

- Instantly capture images of documents and barcode labels
- Automatically optimize, deskew, orient and brighten images
- Automatically process any associated barcode data
- Save time and money by digitizing documents and barcode labels
- Replaces flat bed scanner

Note: Only supported with the SE4750 scan engine

[→ Go to Intelligent Document Capture webpage](#)

Zebra icon



System picture



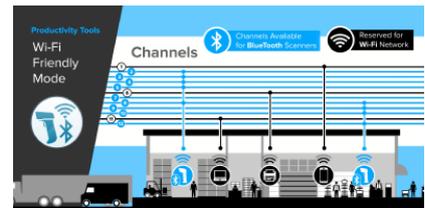
Wi-Fi Friendly Mode

Zebra has innovated a remarkable way for our cordless Bluetooth® scanners to avoid interfering with a wireless network. Exclusively from Zebra, Wi-Fi™ Friendly Mode ensures the two technologies never overlap, and therefore, never impact one another. That means, users can enjoy the convenience and high performance of our Bluetooth scanners without the risk of Wi-Fi disruptions.

Highlights:

- Prevent Bluetooth from colliding with the channels a wireless network uses
- Mobilize workers with cordless scanners without diminishing the performance of Wi-Fi networks
- Implement Wi-Fi Friendly Mode with the intuitive 123Scan

[→ Go to WI-FI Friendly Mode webpage](#)





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