

# ES30

## World tiniest scanner







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ES30 is a new generation ring scanner designed for warehouses and distribution centers. It has a practical, lightweight, compact, and extremely simplified integrated design (weight only 23G). It is mainly used to scan product barcodes and QR codes, and can be used in industries such as warehouse inbound and outbound, inventory, supermarket checkout, and express delivery. Equipped with sound, vibration, and LED light prompts, battery level indicator, Bluetooth low-power design, and NFC pairing function. Used for more than 10 hours, The standby time can last up to 6 months.

## Why ES30 so uinique?

The ring part adopts a double semi-circular soft rubber design, which brings comfort to the user while ensuring the stability of wearing; It can also be applied to both hands. The whole machine adopts a hidden induction switchtton, magnetic charging, and a minimalist design of ultrasonic welding technology, which is both beautiful and enhances the dust and water resistance level (IP65 level), and also extends the service life.

## PRODUCT SPEC SHEET

Product name	Ring barcode reader			
Model name	ES30			
Dimensions	43.5×29.7×16.7 mm (L×W×T) (Plus ring height 39.5mm)			
Weight	26 grams			
Material	Polycarbonate housing with overmold( PC+TPU)			
Communication	Bluetooth 4.2 (Cypress Bluetooth chip), supports Bluetooth HID, SPP, BLE, range 50 meters (hassle-free), rechargeable Bluetooth adapter (optional).			
Bluetooth pairing method	Scan code pairing, NFC pairing, cell phone/computer search pairing			
OS	IOS, Android, Windows			
Battery power	Capacity	520mAh		
	Standby	> 180 days		
	Charge time	2.5 hours		
	Battery level indicator light	Flashing red LED and alarm: less than 5%		
		Flashing red LED: 5%-10%		
		Flashing orange LED: 10%-40%		
		Flashing green LED: greater than 40%		
	Duration	Continuous trigger scanning interval	Decoding number	Working time
		5S (+25℃)	16584	23 hours
		5S (-20℃)	8072	11 hours
Scan engine		 E3P	 N1	 SE410  7
Scan mode	Trigger mode, Continuous, Sense mode			
Ambient illumination	0~100,000LUX			

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Scanner performance	Sensor type	640 (horizontal) × 480 (vertical) pixels
	Light	3000K Warm white LED, Laser 650nm with red cross
	Scanner angle	±60°, ±60°, ±360° (skew, pitch, Roll)
	Field of view	Horizontal: 27.6° , Vertical: 20.9°
	Readability	≥3mil (1D) / ≥6.67mil (2D)
	Contrast	≥20%
Barcode type	1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM 128, Plessey, MSI-Plessey
	2D	PDF417, QR Code, Micro QR, Data Matrix
Decoding depth & Max. Resolution (1 mil = 0.0254 mm)	EAN13(13mil)	105mm~680mm
	Code39 (5mil)	120mm~260mm
	Code39 (20mil)	>800mm
	Code128 (40mil)	>1400mm
	QR Code (15mil)	80mm~250mm
Certificate	CE, FCC, IP65, FDA	
Environmental parameters	Tumble Spec.	1,000 3.94ft./1.2m tumbles
	Temperature	Operating : -20°C to 60°C
		Storage: -20°C to 60°C
	Humidity	5% to 90% (non-condensing)



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Wearing and opration	Ring wear	<p>Ring-size 17mm+, Elastic adaptation Optional</p> <p>Two touch keys (function can be set), support glove touch operation. One extendable pogopin button for glove operation.</p> <p>LED, Motor, Buzzer</p> <p>4 pogopins: 5V, GND, Reset, Key</p>
	Gloves	
	Buttons	
	Status display type	
	Interfaces	
Charging cradle	Interfaces	<p>4 pogopins for T3, 1 typeC for power supply, 2 DC connectors can be connected in series with charging cradle</p> <p>Red LED: Charging indication</p>
	Status display	Blue LED: Bluetooth connection indication
		Green LED: Data transfer indication
		Buzzer: Data indication
	Data cable	<p>USB interface, cable length 1.5 meters (RS232 and TTL interface optional)</p> <p>1 for charging cradle reset, 1 for T3 reset</p>
	Buttons	<p>Supports powering up to 10 T3 charging docks at the same time using a single power adapter.</p> <p>Connected to T3: Scan the code in Bluetooth SPP mode to pair and connect with the adapter. The charger adapter is capable of simultaneous data transmission with up to 7 T3s</p>
	Combined charging	
	Use as adapter (optional)	
		Connected to the host computer: USB or serial port