

MINNO

Long Range 2D Barcode Scanner Ring



Specifications

Model name	Minno Long-Range Scanner Ring	
Dimensions	55.0×39.2×51.2 mm (L×W×H)	
Weight	65 grams	
Material	Polycarbonate housing with over-mold (PC+TPU)	
Power	DC5V/2A; Operating Current Typical: 300mA	
MCU	ARM Cortex 32bit	
Data storage	100 KB for offline mode: 6000-15 bytes barcodes (optional)	
Working mode	Bluetooth mode, offline mode (optional), RS232 mode (optional), USB Keyboard (optional)	
Communication	Bluetooth HID, SPP, BLE with 30M distance, supports NFC pairing, RS232 cable (optional)	
OS	Android, Windows, Mac, Linux, IOS,	
Battery power	Capacity	550mAh
	Standby	> 30 days
	Charge time	2 hours



Battery power	Duration	Continuous trigger scanning interval	Decoding number	Working time
		5 seconds	4000	5.5 hours
Scan engine	SE5500 (+PL5000-CMDEV R)			
Scan mode	Standard (Level), Presentation (Blink), Auto Aim, Auto Aim with Illumination			
Ambient illumination	Max 107,369 lux (direct sunlight)			
Scanner performance	Sensor Type	2688 (horizontal) × 1520 (vertical) pixels		
	Light	52nm Laser (Aiming LED). Two warm-white LEDs (illumination)		
	Scanner angle	±60°,±60°,±360° (skew, pitch, roll)		
	Field of view	Horizontal: 37°, Vertical: 21.4°		
	Contrast	≥20%		
Decoding depth & maximum resolution (1 mi =0.0254 mm)		Near (in./cm)	Far (in./cm)	
	10 mil Code 39	3.0/7.6*.	85.0/215.9	
	13 100% UPC	3.5/8.9	90.0/228.6	
	15 mil Code 128	6.0/15.2*	100.0/254.0	
	20 mil Code 39	4.0/10.2*	172.0/436.9	
	40 mil Code 39	6.0/15.2*	340.0/863.6	
	55 mil Code 39	7.0/17.8*	430.0/1092.2**	
	100 mill Code 39 (paper)	20.0/50.8 *	700.0/1778.0**	
	100 mil Code 128 (reflective)	30.0/76.2*	700.0/1778.0**	
	DataMatrix 10	5.0/12.7	45.0/114.3	
	DataMatrix 55	5.0/12.7	250.0/635.0	
	15 mil Code 128 (4 inches wide)	8.0/20.3*	100.0/254.0	
Certifications	CE, FCC, IP65, IEC, MSDS, UN38.3			



Barcode Compatibility	
1D	UPC-A, UPC-E, UPC-E1, EAN-8/JAN-8, EAN-13/JAN-13, Bookland EAN, ISSN EAN, EAN/JAN Zero Extend, UCC Coupon Extended Code, UPC Reduced Quiet Zone, Code 128, GS1-128 (formerly UCC/EAN-128), ISBT 128, ISBT Concatenation, Check ISBT Table, Code 128 Reduced Quiet Zone, Code 39, Trioptic Code 39, Convert Code 39 to Code 32, Code 32 Prefix, Code 39 Check Digit Verification, Transmit Code 39 Check Digit, Code 39 Full ASCII Conversion, Code 39 Reduced Quiet Zone, Code 93, Code 11, Transmit Code 11 Check Digits, Interleaved 2 of 5 (ITF), Transmit 2 of 5 Check Digit, Convert 2 of 5 to EAN-13, Febraban, 2 of 5 Reduced Quiet Zone, Discrete 2 of 5 (DTF), Codabar (NW - 7), CLSI Editing, NOTIS Editing, Codabar Mod 16 Check Digit Verification, Transmit Codabar Check Digit, MSI, Transmit MSI Check Digit(s), MSI Reduced Quiet Zone, Chinese 2 of 5, Matrix 2 of 5, Matrix 2 of 5 Check Digit, Korean 3 of 5, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, Convert GS1 DataBar to UPC/EAN/JAN, CC-C, CC-A/B, TLC-39, GS1-128 Emulation Mode for UCC/EAN Composite Codes
2D	PDF417, MicroPDF417, Code 128 Emulation, Data Matrix, GS1 Data Matrix, Maxicode, QR Code, GS1 QR, MicroQR, Aztec, Han Xin, Grid Matrix, DotCode, DotCode Prioritize, Transmit Macro PDF Control Header, US Postnet, US Planet, UK Postal, Japan Postal Australia Post, Netherlands KIX Code, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal, Mailmark

Environmental Parameters	
Drop resistance	Pass 200 times 1.5m drop test
Temperature	Operating : -5°C to 50°C
	Storage: -20°C to 60°C
Humidity	< 95% (non-condensing)

