

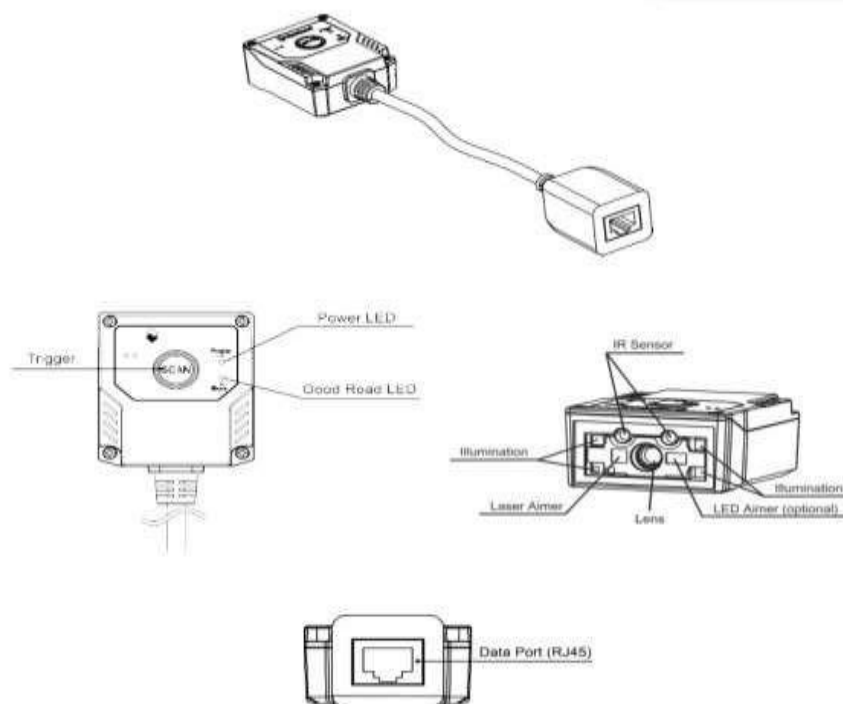
MS430 OCR MRZ passport document reader for hotel front desk check in

The MS430 fixed mount barcode scanner, armed with the world-leading Postech patented recognition system-on-chip, bring about a new era of 2D barcode scanner. The MS430 supports all mainstream 1D and standard 2D barcode symbologies (e.g., PDF417, QR Code, Data Matrix, Aztec and Chinese Sensible Code). It can read barcodes on virtually any medium - paper, plastic card, mobile phones and LCD displays. Designed for fixed mount integrations, this scanner is easy to fit into various equipment such as self-service cabinets, vending machines, ticket validators, ATMs, access control, retail POS and kiosks.

Features of the MS430:

- 1: Unmatched reading performance: Armed with Newland's fifth-generation of technology, the MS430 is capable of reading 1D as well as high-volume 2D barcodes on the screen covered with protective film.
- 2: IR/Light triggers: The combination of IR sensor and light sensor exhibits an improved sensitivity in activating the scanner to scan barcodes as they are presented, to achieve higher throughput and productivity.
- 3: Highly visible laser aimer: The MS430 provides a laser-generated crosshair aiming pattern that is clear and bright even in bright sunlight, ensuring first time accurate aim.
- 4: Easy to configure and update.

Design of MS430:



Physical characteristics	
Dimensions:	41.5x49.5x24.3mm (LxHxD)
Weight:	75g
Voltage\ Current:	5VDC, 400mA (Operating)
Performance Characteristics	
Image:	1280 * 800 CMOS
Field of View:	Horizontal 51°, Vertical 32°
Roll / Pitch / Yaw:	Roll: 360°, Pitch: ±55°, Skew:±55°
Scan Mode:	Sense mode, Continuous mode, Level mode, Pulse mode
Print Contrast:	25% minimum reflective difference
Notification:	Beep, LED indicator
Interfaces Supported:	USB, RS232
Symbology Decode Capability	
1-D:	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN, 128, RSS, ITF, ITF-14, ITF6, Standard25, Matrix 25, COOP 25, Industrial25, Plessey, MSI Plessey, Code 11, Code 93, Code 49, Code 16K, etc
2D:	PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Hanxin, etc.
User Environment	
Operating Temperature:	*-20°C to 60°C / -4° F to 140° F
Storage Temperature:	*-40°C to 70°C (-40°F to 158°F)
Humidity:	0% to 95% relative humidity, non-condensing
ESD:	± 14 kV (air discharge), ±8 kV (direct discharge)
Ambient Light Immunity:	Immune to normal lighting up to 1600 Lux. Immune to sunlight up to 86,000 Lux
Certificate:	CE, FCC, Rohs, FCC, 1.5m drop test(500 times), IP54
Decode Ranges	
EAN-13	55-360mm (13mil)
Code 39	70-180mm (5mil)
PDF417	55-160mm (6.7mil)
Data Matrix	50-170mm (10mil)
Performance may be impacted by bar code quality and environmental conditions	

Special Application for passport reading:

