



RT830D

Fast-speed 2d scanner for ticket validator, turnstile, lockers, etc.



RT830D is design for all kinds of embedded use: bus or metro ticket validator, turnstile, lockers, queuing equipment, self-service inquiry terminals, and medical devices. Outstanding for its high speed reading performance and make better users-experience for quick scan and pass.

It has capacity to decode almost all types of 1D/2D bar codes, including Aztec, Maxi Code, QR, Data Matrix, PDF417, EAN code, etc. It also has been optimized for reading bar codes from mobile phone.

Thanks to its special design, you can embed the scanner under glass, this can ensure dust-proof and rain-proof for both outdoor and indoor use.

Support sense mode which detects and reads bar code automatically.

Features:



- ✓ Excellent reading speed
- ✓ Fixed mount design for embedded use
- ✓ Large field of view - user friendly
- ✓ Can read bar codes from screen and paper
- ✓ Detect and read bar code automatically
- ✓ Support most 1D and 2D bar codes
- ✓ Workable in a dark/ normal/ under sunlight environment

Specification :



Performance	Image Sensor	640 pixels (H)x 480 pixels (V)		
	Illumination	Illumination: 4000K LED		
	Aiming			
		Symbologies	2D	PDF417, MicroPDF417, Data Matrix, Maxi code, QR Code, Micro QR, Aztec etc.
		1D	UPC, EAN, Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Codabar, Interleaved 2 of 5, etc	
	Minimum Resolution	≥ 3.9 mil		
	Typical Depth of Field	Code39	40-100mm (5mil)	
		Code39	70-200mm (13mil)	
		QR Code	60-100mm (15mil)	
		QR Code	35-180mm(30*30mm size)	
		Performance may be impacted by bar code quality and environmental conditions		
	Scan Mode	Sense mode, Command trigger		
	Scan Angle	Roll: 360°, Pitch: ±65°, Skew:±65°		
	FOV	60°(H) 46°(V)		
Motion Tolerances	Up to 200cm/s			
Print Contrast:	20% minimum reflective difference			
Mechanical/ Electric	Interface	USB, RS232, TTL232		
	Dimensions	61mm x 64mm x 29mm		
	Notification	Beep, LED blinking		
	Voltage	5±5% VDC		
	Current	Operating: 385mA. Standby: 220mA.		
Environmental	Operating Temperature	-20°C to 60°C		
	Storage Temperature	-30°C to 70°C		
	Humidity	0% to 95% relative humidity,non-condensing		
	Ambient Light Immunity	0-100,000 Lux.		



FAST 2D BARCODE SCANNER