



Barcode Scan Engine

MF21-60

Feature

- **Core Technology**

Adopt the self-developed core decoding technology, it has outstanding 1D/2D decoding functions.

- **Brilliant Screen Barcode Reading**

It's specially adjusted to the screen barcode, to meet the lowest illumination condition and various filmed screen barcode with amount of data.

- **Multiple Interface**

It's available to provide USB or TTL232/RS232 interface, to meet the different needs.

- **Green Low Consumption**

Special Consumption control design, to reduce the operation power consumption, to extend the lifespan of the device.

Scenario

VTM Cabinet、self-service pickup cabinet, intelligent household storage cabinet, ATM, information kiosk, queue-calling device, certificate making device, access control system.

MF21-60/Barcode Scan Engine

Performance	Image Sensor		640×480 CMOS	
	Illumination		0~100000 Lux	
	Symbologies	2D	PDF417, Data Matrix, QR, Micro QR	
		1D	Code 128, UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISSN, ISBN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Matrix 2 of 5(European Matrix 2 of 5), Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14, RSS-Limited, RSS-Expand	
	Precision		≥5mil	
	Typical Depth of View	EAN-13	40mm-355mm (13mil)	
		Code 39	28mm-155mm (5mil)	
		PDF 417	28mm-95mm (6.67mil)	
		Data Matrix	25mm-95mm (10mil)	
		QR	25mm-150mm (15mil)	
	Barcode Sensitivity	Tilt	±60°@ 0°Roll and 0° Skew	
		Roll	360°@ 0°Pitch and 0° Skew	
		Pitch	±55°@ 0°Roll and 0° Pitch	
	Lowest Contrast		30%	
	Data Interfgace		TTL232/RS-232, USB	
Physical	Size(L*W*H)		67*53*34.5mm (	
	Weight		With USB 98g, with RS232 cable 123g	
	Indicator		Beeper、LED light	
	Power Supply Adaptor		Output: DC 5V, 1.5A, input: AC 100~240V, 50~60Hz	
	Current	Max Current	<200mA	
		Operation Current	150mA±15mA	
		Standby Current	80mA±2mA	
Environmental	Operation Temperature		-20℃~50℃	
	Storage Temperature		-40℃~70℃	
	Relative Humidity		5%~95% (Non-condensing)	
	Static Protection		±8KV (Contact Discharge) ; ±15 KV (Air Discharge)	

Testing distance=(minimum depth of field + maximum depth of field)/2; environment temperature=23℃; environment illumination=300 LUX white bulb LED, 2D: QR CODE; 10 Bytes; minimum width of barcode's empty space =15 mil; PCS=0.8;

*Specification changes without previous notification.*V1.0

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