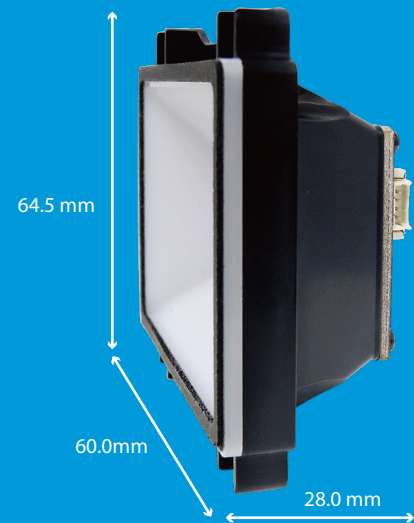


Scan Engine

MT682 2D Barcode Scan Engine

MT682 is a 2D scan engine designed to scan mobile barcode in the easiest way. MT682 has a compact enclosure with an extra wide angle optics for contact scanning and captures all major 1D and 2D barcodes on mobile display. Its ready-to-use design accelerates the developing of mobile barcode scanning platform.

- Read all major 2D barcodes in the market
- Omnidirectional scanning in any direction
- 102° horizontal degrees and 86° vertical degrees of wide scan angle
- Embedded scan engine enhances design flexibility



Omnidirectional, Snappy Scanning

Built with highly sensitive image sensor, MT682 not only automatically captures any moving barcode at close range, but also delivers omnidirectional scanning in any direction, eliminating the need to align barcode. As a result lines are kept moving and wait time is minimized.

Easy and Flexible Operations

MT682 embedded scan engine enhances design flexibility by offering various output interfaces with USB HID, USB VCP, UART and RS232, fulfilling diverse industrial needs of communication methods as well as enabling user to easily configure the reading modes and scanner settings according to preference.

Largest Field of View

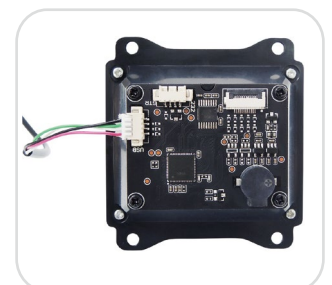
With the largest field of view, 102° of horizontal degrees and 86° of vertical degrees of wide scan angle, MT682 is capable of scanning the widest barcode from contact to 100mm away. As a result MT682 is suitable to be integrated into device with very limited reading distance in a constraint space.

Mobile-Friendly Scanning

With enhanced optical design and latest decode algorithm, MT682 virtually scans all 1D and 2D barcodes printed on any surface, either paper-based label with matte or glossy surface, or mobile phone display and LCD screen. As a result users may expand their business into many new applications such as eCoupon, eTicket, Digital ID cards and mobile payments.

Easy and Flexible Operations

- Wide angle optics for contact scanning
- Interfaces : USB HID, USB VCP, UART and RS232



MT682 2D Barcode Scan Engine

Specifications

Optical & Performance	Light Source	white LED	
	Sensor	640 x 480	
	Scan Rate	30 Frames/Sec	
	Resolution	5mil/ 0.125mm	
	Scan Angle	Horizontal 102°, Vertical 86°	
	Pitch Angle	±55°	
	Skew Angle	±55°	
	Roll Angle	360°	
	Print Contrast	20%	
	Width of Field	155mm (13Mil Code39)	
	Typical D.O.F* (@ 800 Lux)	Code39	5 Mil : 0 ~ 40 mm
		UPC/EAN	13 Mil : 0 ~ 100 mm
QR Code		15 Mil : 0 ~ 90 mm	
PDF417		6.67 Mil : 0 ~ 40 mm	
Data Matrix		10 Mil : 0 ~ 40 mm	
Physical Characteristics	Dimension	W60.0 x L64.5 x H28.0 mm	
	Weight	28g	
	Color	Black	
	Material	Plastic	
	Connector	12pin ZIF Connector (0.5mm) 4pin Wafer Connector (1.25mm) x 2	
	Indicator	Buzzer	
Power	Operation Voltage	5.0 VDC ± 5%	
	Working Current	< 110mA	
Connectivity	Interface/ Profile	USB HID, USB VCP, UART, RS232	
User Environment	Operating Temperature	0 ~ 50°C	
	Storage Temperature	-25 ~ 85°C	
	Humidity	0% ~ 95%RH (Non-condensing)	
	Drop Durability	1.5 M	
	Ambient Light	100,000 lux (Sunlight)	
Decode Capability	1D Symbologies	UPC-A/ UPC-E, EAN-8/ EAN-13, Codabar, Code 39 / Full ASCII Code 39, Code 93, Code 128, GS1-128, ITF-25	
	2D Symbologies	QR Code, Data Matrix, PDF417	
Regulatory	ESD	TBA	
	EMC	TBA	
	Safety Approval	TBA	
	Environmental	TBA	

* All Specifications are subject to change without notice.



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