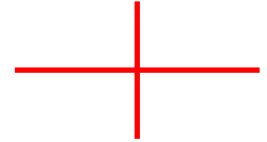


MT86V
LED Aimer



MT86VL
Laser Aimer



MT86V 2D Imager

MT86V(L) 2D Imager is designed to work with software decoder to achieve high performance and affordable 2D and 1D scanning solution at the same time. This powerful, reliable 2D imager is an ideal choice for a variety of applications, including ticketing, access control, mobile payment and manufacturing.

Ideal for Software Decoder Applications

- Global shutter, mega-pixel image sensor
- Outstanding 1D and 2D scanning performance
- Fits into the most space-constrained product
- Mechanically and electrically compatible with global leaders
- Standard MIPI interface makes hardware integration easy
- Supports Android Marson Barcode Service SDK, SDL, API
- Adopts Google Native Framework, future-proof

Easy and Flexible Operations

- Low Profile : W23.5 x L10.7 x H6.8 mm
- Interface : MIPI



Optic & Performance	MT86VL	MT86V
Light Source	White LED Visible red Laser	White LED Visible green LED
Sensor	1280 x 800 pixels	
Scan Rate	60 fps	
Resolution	4Mil/ 0.1mm (Code 39)	
Scan Angle	Horizontal 41°, Vertical 26°	
Pitch / Skew / Roll Angle	±60° / ±45° / 360°	
Print Contrast Ratio	30%	
Width of Field	200mm (13Mil Code39)	
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 55 ~ 400 mm QR Code 15 Mil: 60 ~ 300 mm	
Physical Characteristics		
Dimension	W23.5 x L10.7 x H6.8 mm	
Weight	2.4g	
Color	Black	
Material	PC	
Connector	34-pin board-to-board connector	
Electrical		
Operation Voltage	3.3 ± 0.15VDC	
Working Current	< 220mA	< 200mA
Standby Current	< 80mA	
Connectivity		
Interface/ Profile	MIPI	
Compatibility	Android 8.x, 9.x, 10.x	
User Environment		
Operating Temperature	-20°C ~ 60°C	
Storage Temperature	-30°C ~ 70°C	
Humidity	0% ~ 95% RH (Non-condensing)	
Drop Durability	1.5M	
Ambient Light	100,000 Lux (Sunlight)	
Regulatory		
ESD	Functional after 4KV contact, 8KV Air discharge (requires housing that is designed for ESD protection and stray from electric fields)	
EMC	TBA	
Safety Approval	TBA	
Environmental	WEEE, RoHS 2.0	
Symbolgies		
1D	Code39, Interleaved 2 of 5, Codabar, Code128, Code93, UPC/EAN/JAN, GS1-128, Code11, Code32, UK Plessey Code, MSI Plessey Code, Telepen, Trioptic, Straight 2 of 5, IATA Code, Matrix 2 of 5, Hong Kong 2 of 5, NEC 2 of 5, BC412, Pharmacoode	
Postal Codes	USPS Postnet, USPS Planet, USPS Intelligent Mail, Australia Post, Dutch Post (KIX), Japan Post, Royal Mail, Korea Post, Canada Post, UPU ID-tags	
2D	QR Code, Data Matrix, PDF417, Micro PDF417, Aztec, GS1 Composite, Codablock F, Code49	

* Note : Symbolgies and DOF are based on Software Decoder
* All specifications are subject to change without notice.



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