

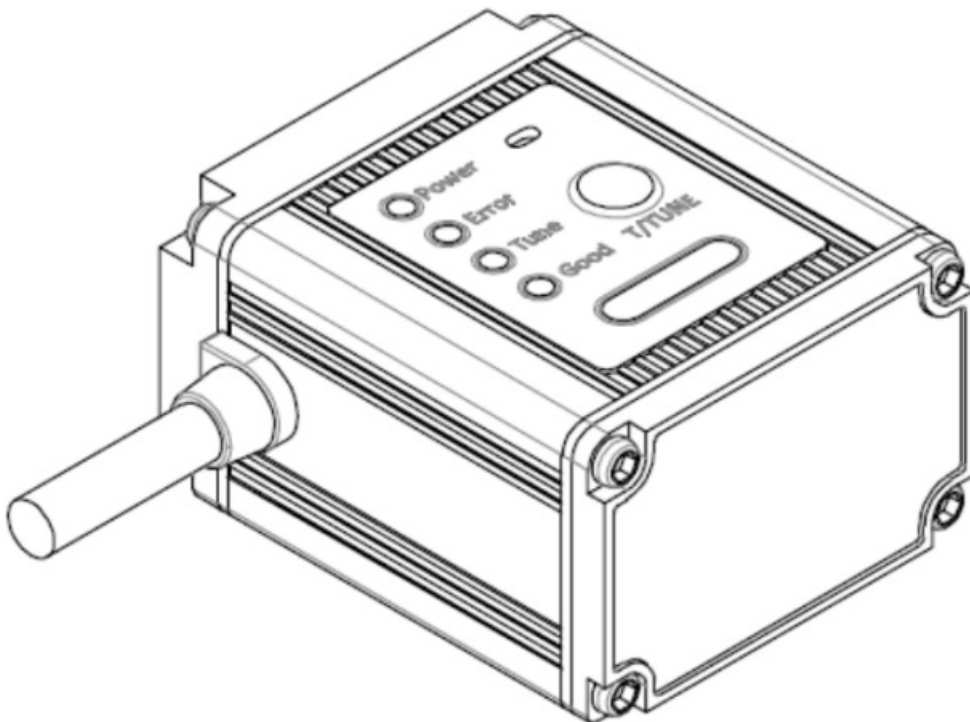


Marson Technology MT6228 2D Fixed Mount Scanner User Guide

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Marson

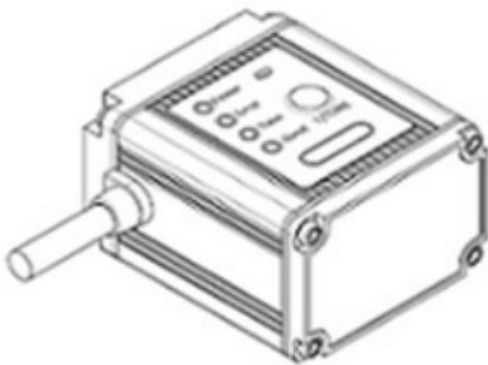
MT6228
Fixed Mount Scanner
Quick Guide



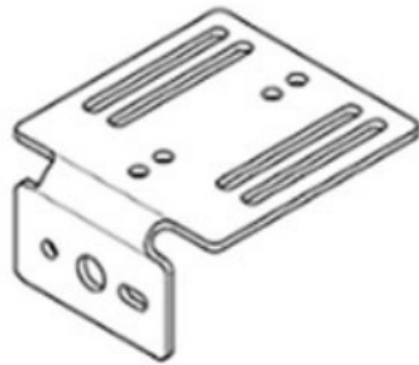
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Out of Box



Fixed Mount Scanner



Mounting Bracket

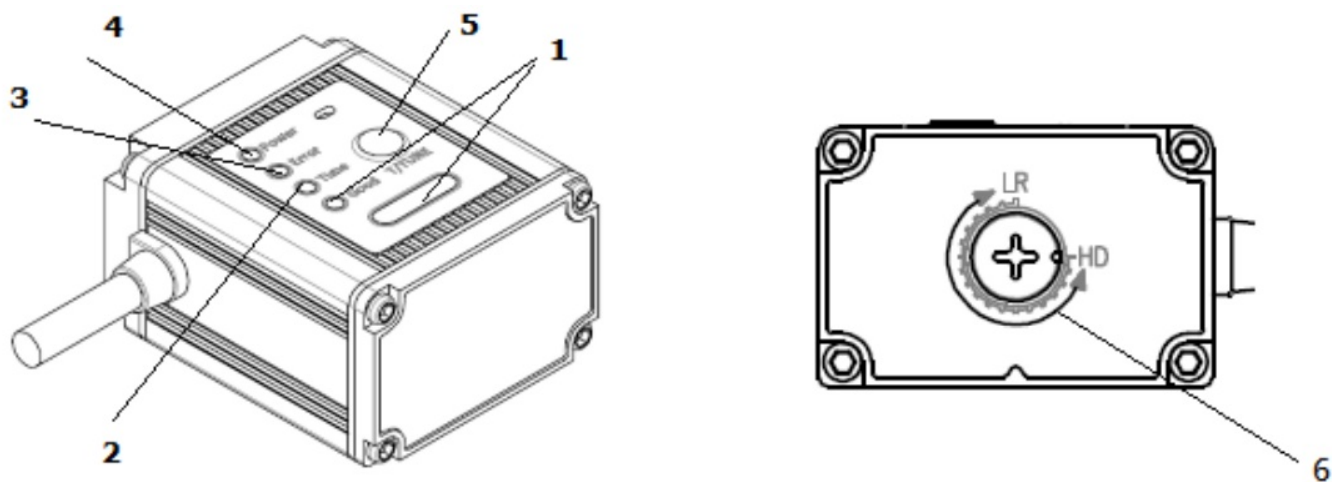


Quick Guide



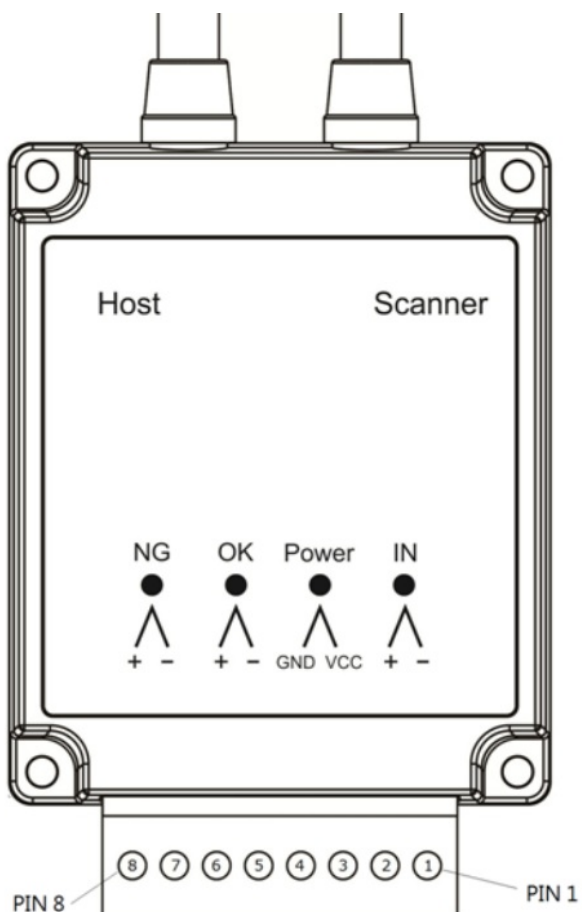
Cable + I/O Box

Introduction



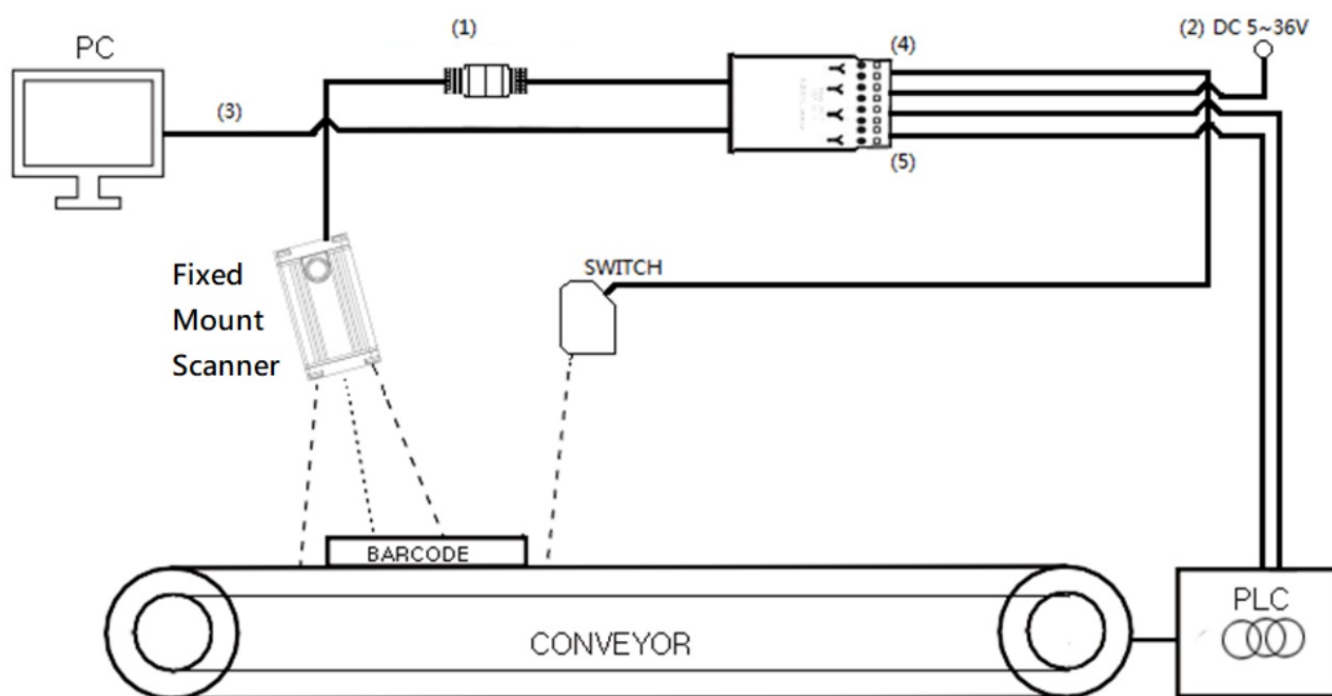
1	Good Read LED
2	Tuning Mode LED
3	No Read LED
4	Power On LED
5	Tuning Button / Scan Button
6	Mechanical Knob For Lens Focus

I/O Box



PIN	Signal	Function
1	Opto Isolated Input(-)	Trigger Input
2	Opto Isolated Input(+)	
3	VCC (+)	5-36 VDC
4	GND (-)	
5	Opto Isolated Output (-)	Good Read Indicator
6	Opto Isolated Output (+)	
7	Opto Isolated Output (-)	No Read Indicator
8	Opto Isolated Output (+)	

Installation

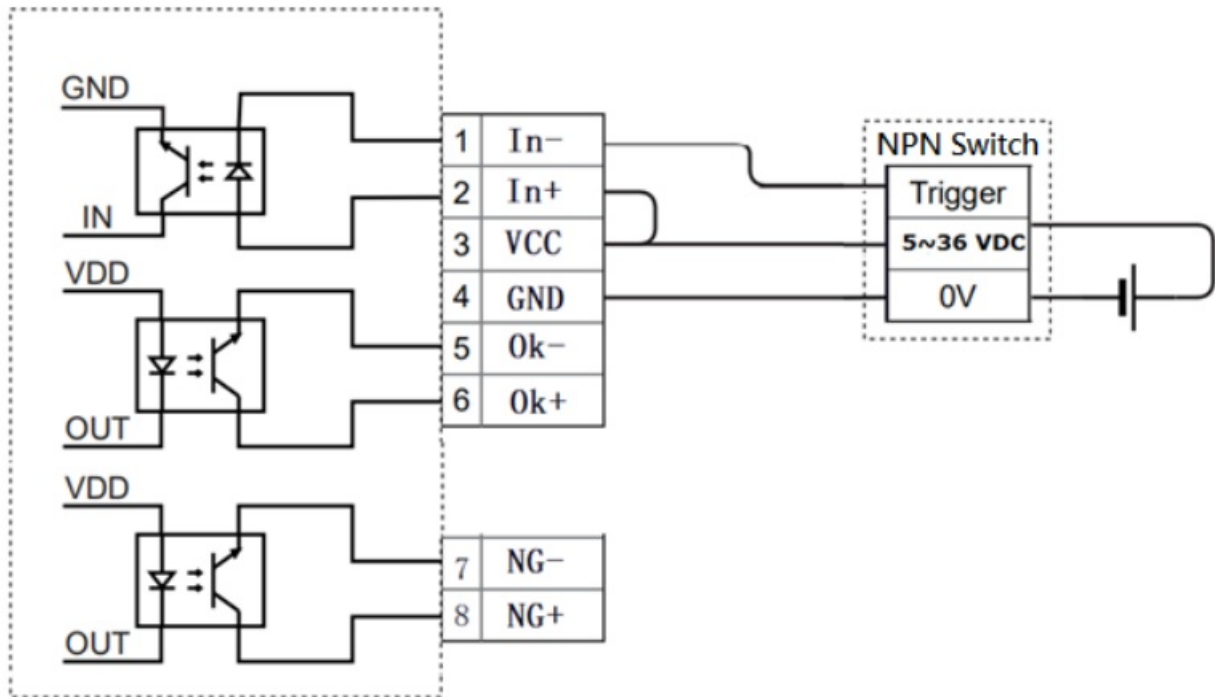


Above is an installation example:

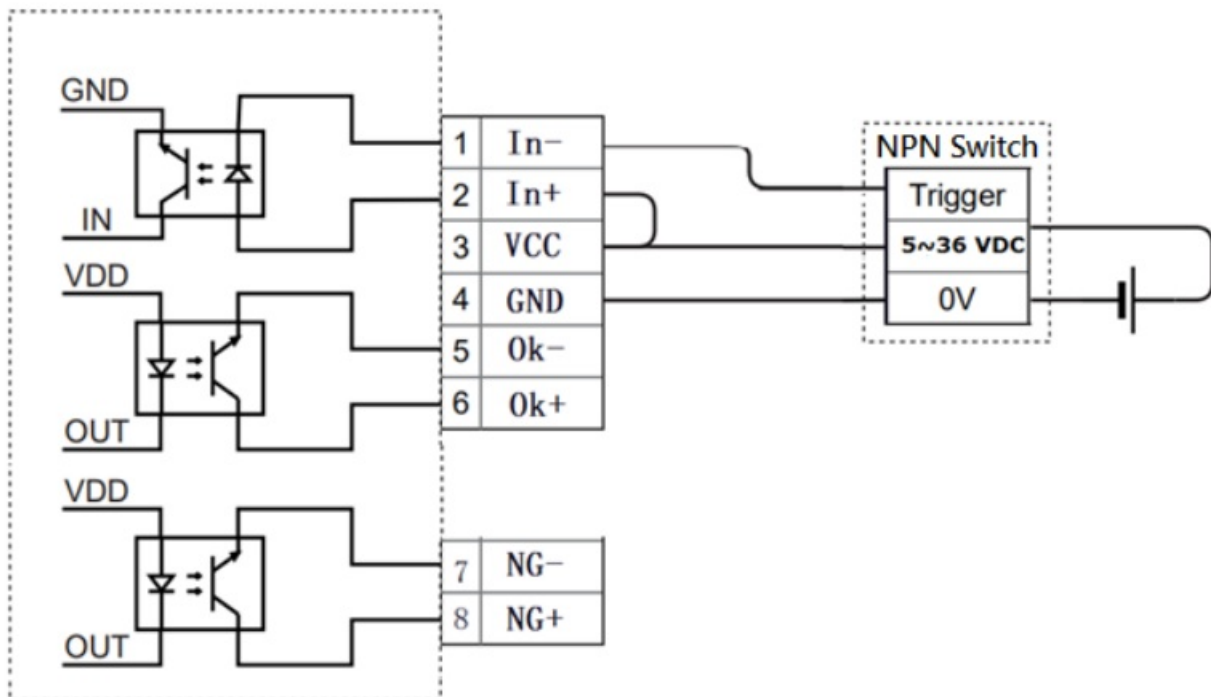
1. Connect the scanner with I/O Box via aviation plug
2. Connect 5~36V DC power, which is not needed when applying USB cable.
3. Connect I/O Box with PC or data terminal via RS232/USB/Ethernet.
4. If external trigger mode is used, an external sensor or PLC is needed.
5. If OK or NG signal is needed, connect Pin 5~8 to external device.

Input Diagram

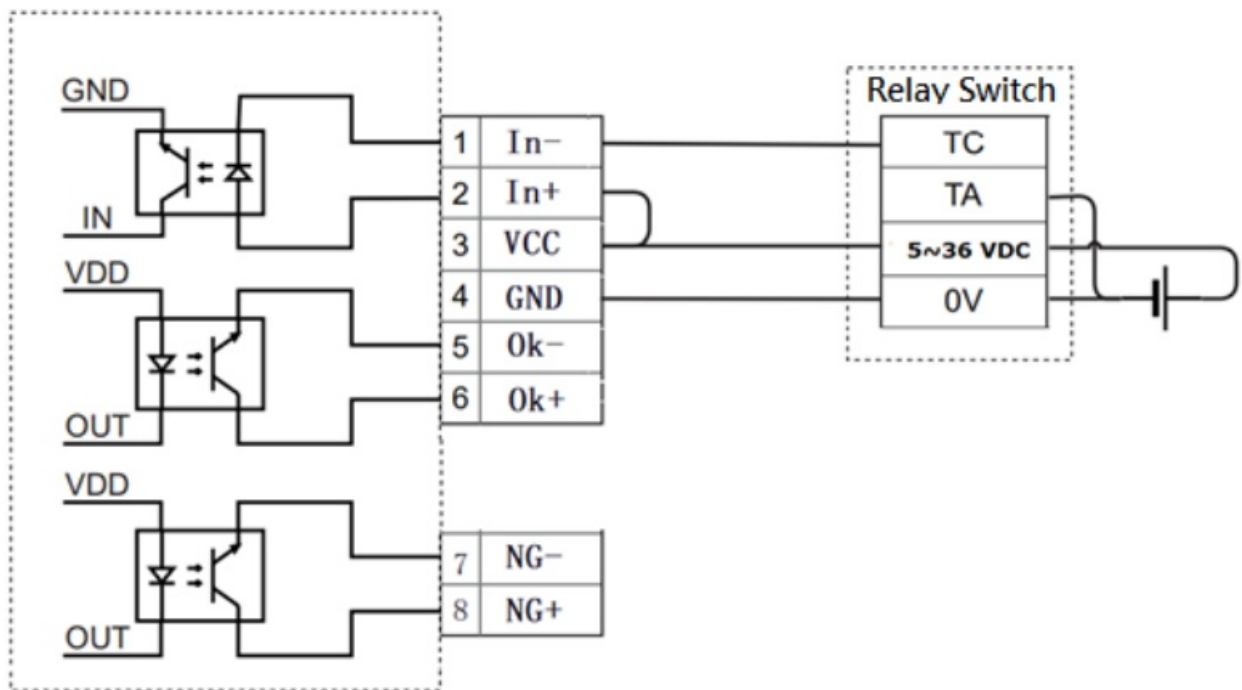
NPN Photoelectric Switch Input



PNP Photoelectric Switch Input

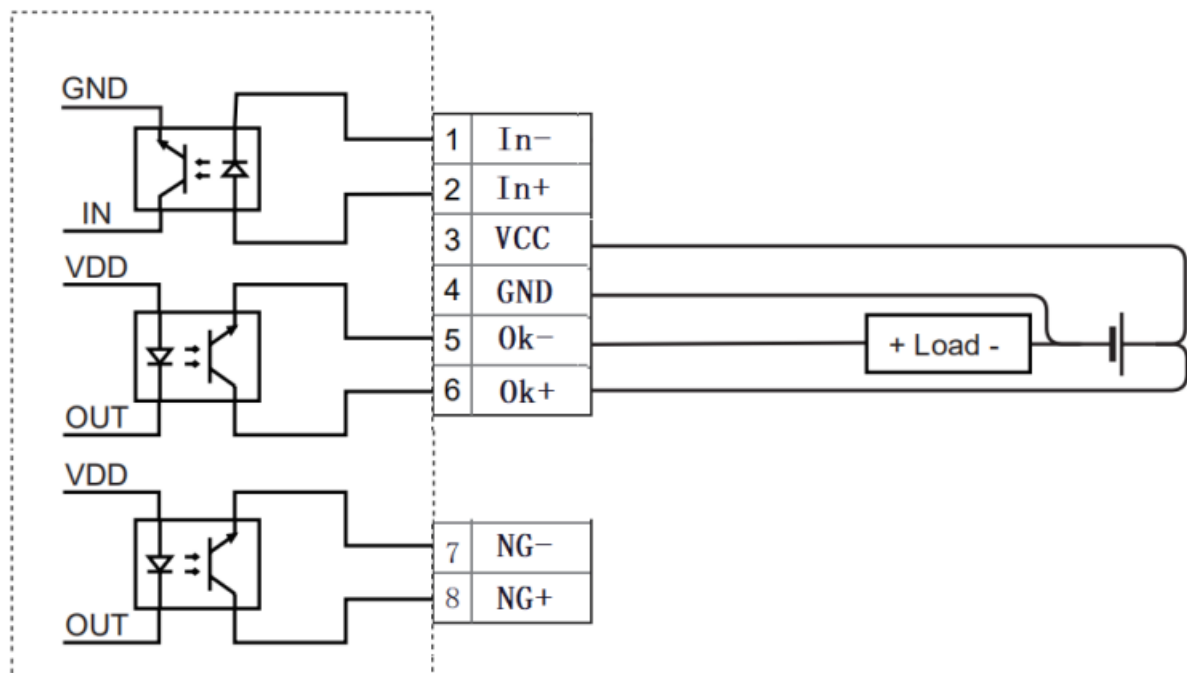


Relay Photoelectric Switch Input

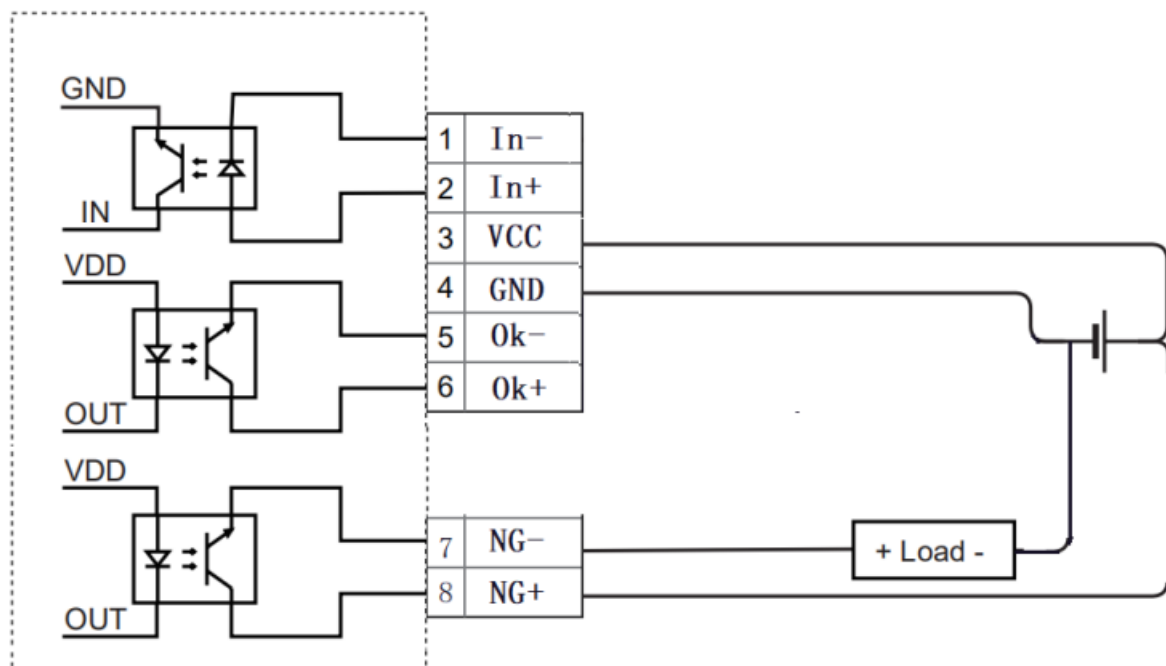


Output Diagram

Good Read OK



No Read NG



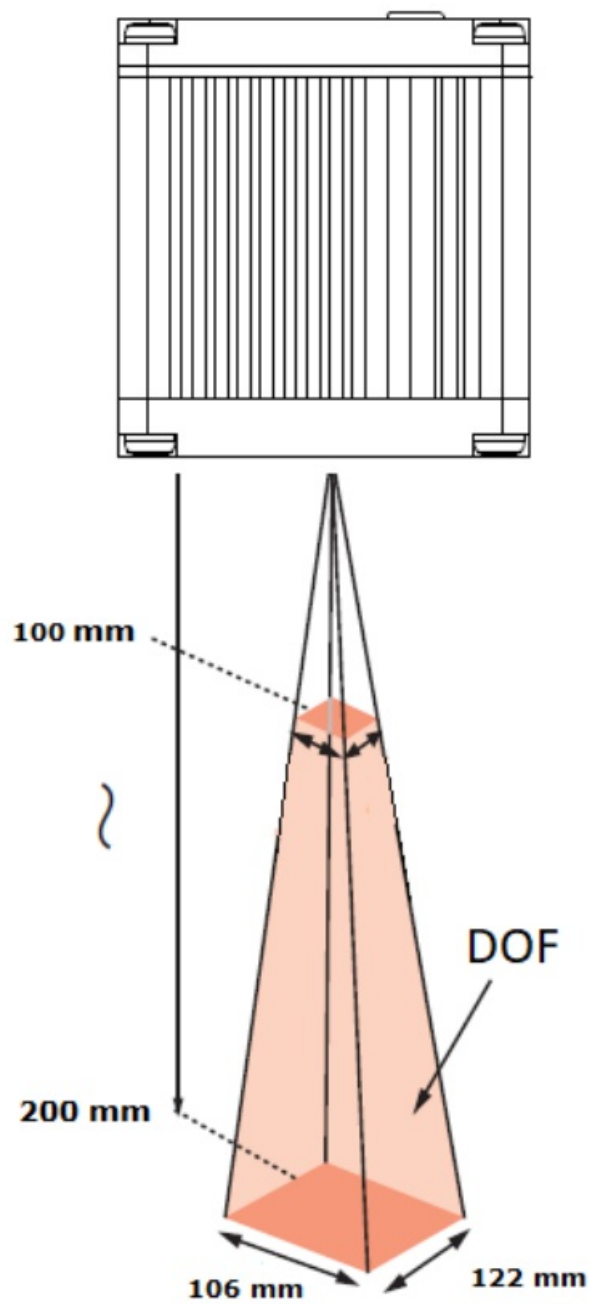
Specifications

Performance	
Resolution	1280 x 800
Scan Angle	Horizontal 28° (H), Vertical 33° (V)
1D Symbologies	UPC A , UPC E , EAN 8, EAN 13 , Code 128 , Code 39, Code 93, Code 32, Code11 , Codabar, Plessey, MSI , Interleaved 2 of 5 , IATA 2 of 5 , Matrix 2 of 5 , Straight 2 of 5 , Pharmicode , RSS-14 , RSS-14 Expanded , RSS-14 Limited , Composite Code-A Composite Code-B , Composite Code-C
2D Symbologies	PDF 417 , Micro PDF 417 , Data Matrix , QR , Micro QR , Aztec , MaxiCode
Motion Tolerance	Continuous Mode : 1M / sec External Trigger Mode : 2M / sec
Connectivity	
Interface	RS232, USB (HID; CDC), Ethernet (TCP/UDP)
External Input	1 Optoisolated Input (NPN/PNP/Relay)
External Output	2 Optoisolated Output (Good/NG)
Power	5-36 VDC
Physical Characteristics	
Dimension	44 (W) x 52 (D) x 29 (H) mm
Material	Aluminum Alloy
Sealing	IP65
User Environment	
Storage Temp.	-40°C-+70°C
Operating Temp.	-20°C – + 50°C
Regulatory	TBA

Depth of Field

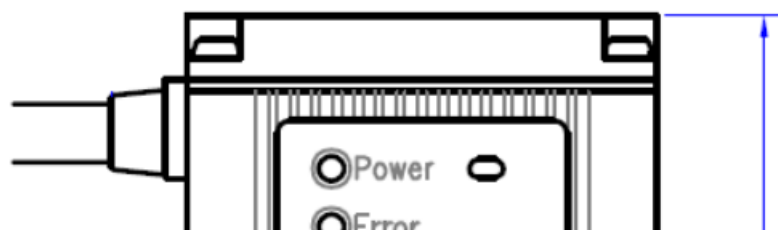
Lens Focus	LR (Long Range)	HD (High Density)
Resolution	1D : ≥5 mil ; 2D : ≥9 mil	1D: ≥3 mil ; 2D: ≥7mil
DOF	Code39 (5 mil) : 150 mm – 300 mm EAN - 13 (13 mil) : 115 mm – 550 mm QR Code (11 mil) : 125 mm – 250 mm	Code39 (3 mil) : 85 mm – 120 mm EAN-13 (13 mil) : 75 mm – 245 mm QR Code (7 mil) : 80 mm – 150 mm

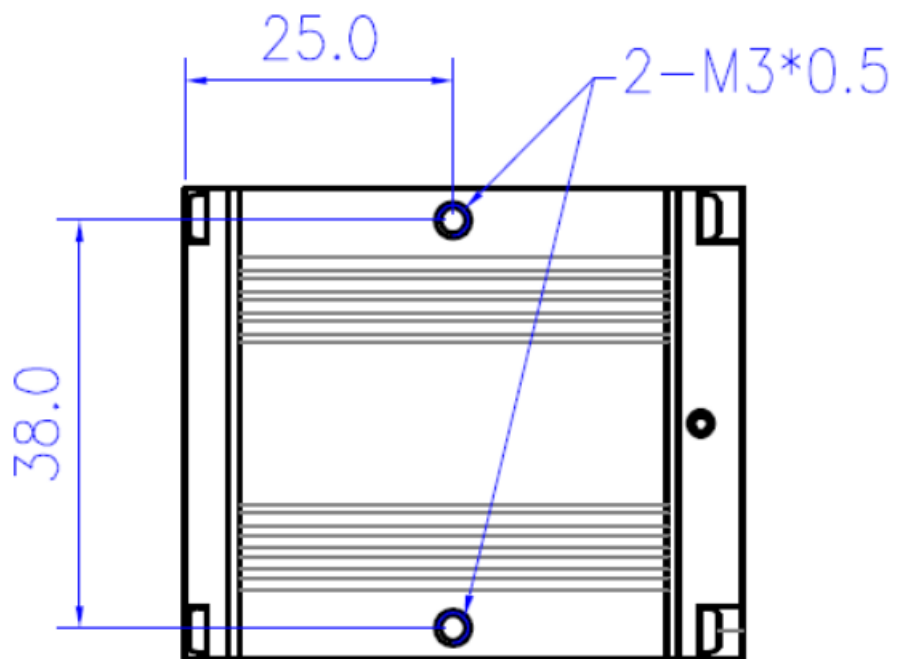
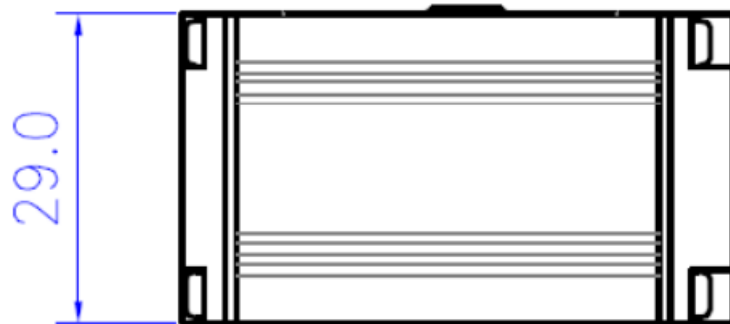
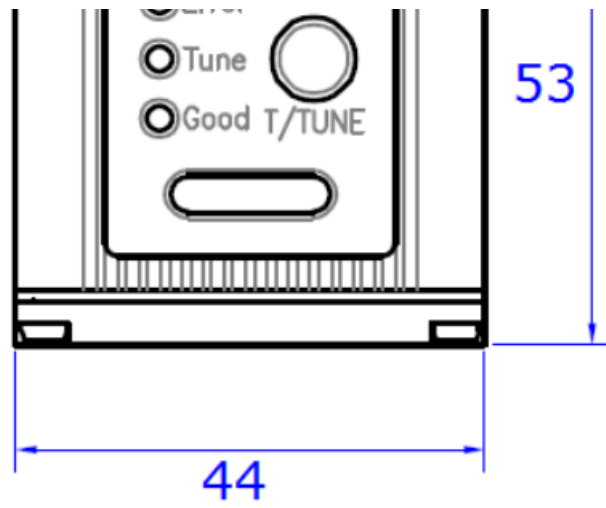
Field of View



Distance (mm)	Field of View (mm)	
	Horizontal (mm)	Vertical (mm)
100	53	61
150	79	91
200	106	122

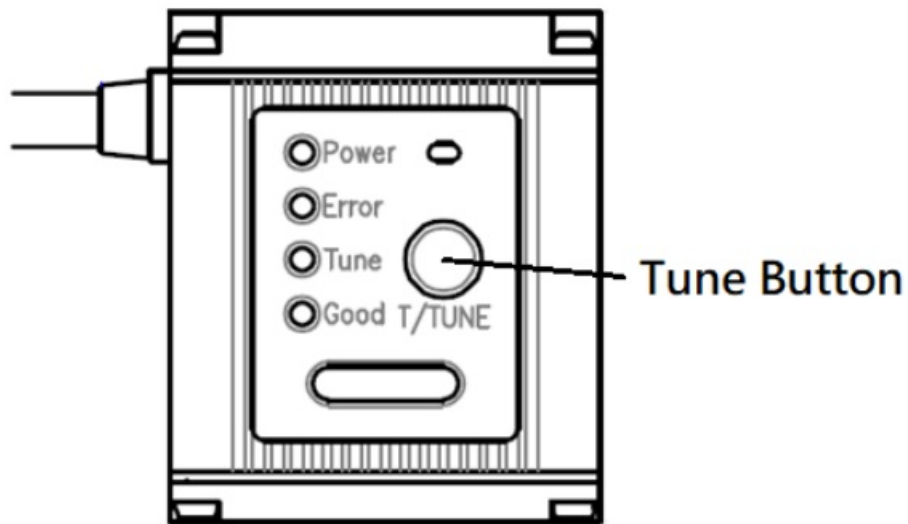
Dimensions



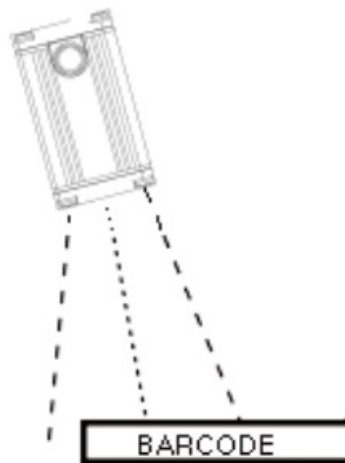


Auto-tuning

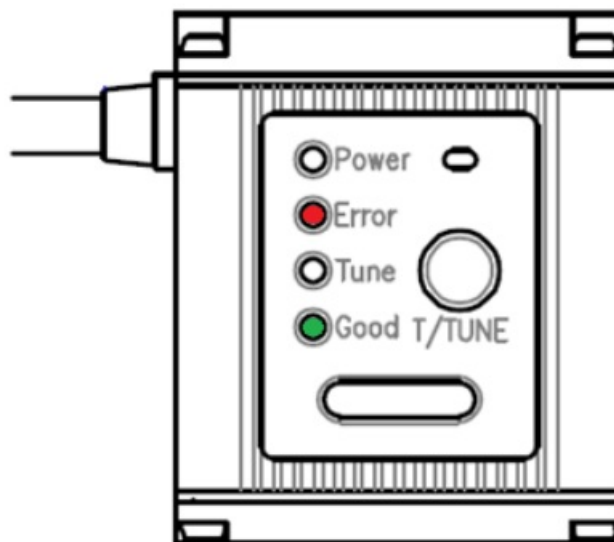
1. Press and hold the Tune Button for about 5 seconds.



2. Aim at the desired barcode. Release the Tune Button to start Auto-tuning.



3. LED status indicates Auto-tuning result (Error or Good). If the result is Good, the settings will be stored permanently. No need for re-tuning after a power cycle. If the result is Error, please start over from step 1.



Troubleshooting

If the scanner does not work properly, please do the following first:

1. Check if the cable is connected firmly and is supplied by original manufacturer.
2. Check if the symbology (barcode type) is enabled.

3. Check if the barcode quality is good.

If the scanner still does not work properly, please contact your local distributor.

Documents / Resources

	Marson Technology MT6228 2D Fixed Mount Scanner [pdf] User Guide MT6228 2D Fixed Mount Scanner, MT6228 2D, Fixed Mount Scanner, Mount Scanner, Scanner
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