



Mini Fixed-mount 2D barcode scanner

Features

- High-quality Mini Fixed-mount 2D barcode scanner.
- It supports USB HID interface or USB Serial interface.
 - ** USB HID: Plug & Play, No extra driver is needed.
 - ** USB Serial: can send command to scanner, data will be sent to COM port
- Small-size, Lightweight, designed for easy operation & installation
- Suitable for ATM, KIOSK, Price Checker, and other fields.



Scanners Specifications :

Model Name	FS5107L
Engine	AI3200+2D engine

Performance Characteristics

• Light source	625±10 nm LED
• Depth of field	(20 mil Code 39) : 600 mm
• Sensor	CMOS (752×480 pixels)
• Best resolution	1D (CODE39) ≥ 4mil 2D (PDF417) ≥ 6.67mil
• Reading angle	Tilt: 360° / Pitch ±50° / Skew ±50°
• Print contrast	≥ 30%
• Indicators	LED & Beeper
• Auto-sensing	Up to 200 mm
• Symbolologies	1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, GS1 Databar, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, MSI, UCC/EAN-128, Matrix2 of 5, Industrial 2 of 5, Code 11, 2D: PDF417, Data Matrix, QR Code, Micro QR code
• Interface	USB HID ,USB Serial <by request>

Electrical Characteristics

• Input voltage	5 V/DC ± 5%
• Current - operating	220 mA

Physical Characteristics

• Dimension (L x W x H)	34.5 x 43.6 x 15.6 mm (without cable)
• Color of housing	Black
• Weight	26g (with cable)

Environment

• Temperature-operation	0°C to 50°C
• Temperature-storage	-10°C to 60°C
• Humidity-operation	5% to 95% relative humidity, non-condensing
• Ambient Light	0-100,000 lux

Decode Zone (DOF is measured at the office under 600 lux and by Standard barcode. There are +/- 10 mm Torrence. DOF may be also impacted by barcode quality and environmental conditions.)

• 4 mil Code 39	50mm -140mm
• 5 mil Code 39	50mm -160mm
• 13 mil UPC-A	60mm -360mm
• 20 mil Code 39	100mm -600mm
• 6.67 mil PDF417	60mm -160mm
• 10 mil DataMatrix	50mm -120mm
• 20 mil QR Code	30mm -280mm

Product specification is subject to change without notice.

RIOTEC CO., LTD.

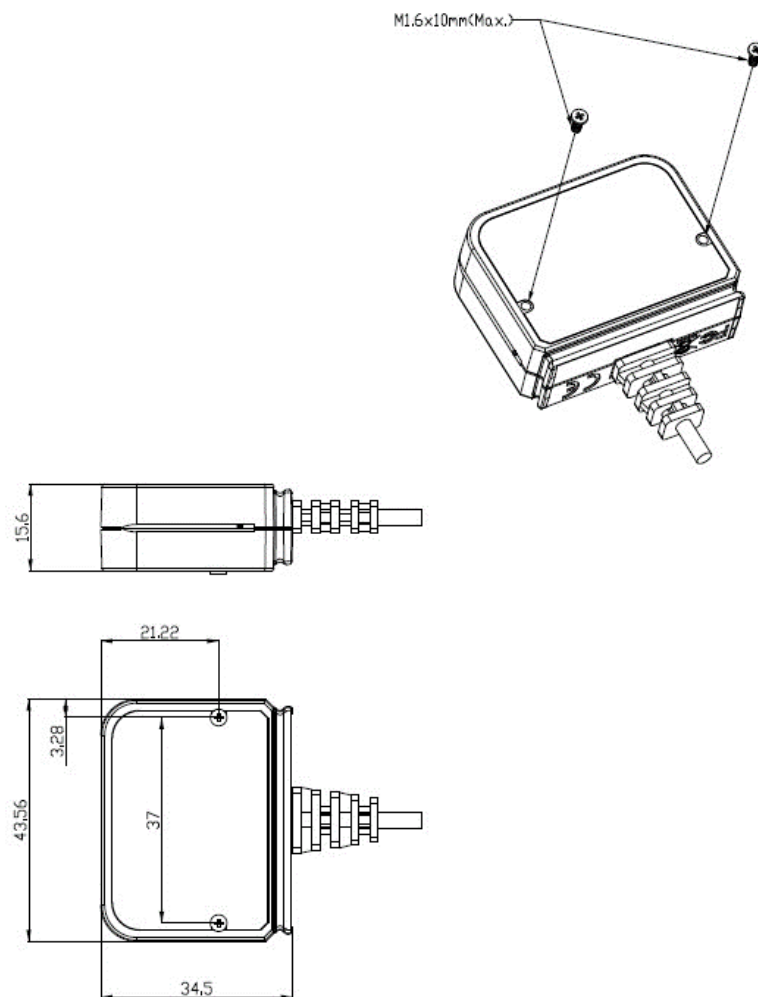
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1. The product size figure is mm
2. Please use M1.6 Screw, length depends on PCB thickness and more than 4~5 mm
3. The tolerance range $\pm 0.1\text{mm}$
4. Torque: $1.1\text{Kg}\cdot\text{cm} \pm 10\%$