



Mini Fixed-mount 2D barcode scanner

- 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.



Specifications :

Model Name	FS5108K
Engine	Opticon MDI-4100

Performance Characteristics

• Illumination Element	White LED
• Aiming LED	525nm (Green)
• Scan speed	100 frame /sec
• Depth of field	(13 mil) UPC-A : 250 mm
• Sensor	CMOS (640×480 pixels)
• Best resolution	1D (CODE39): 5 mil 2D (PDF417): 6.7 mil
• Reading angle	Tilt: 360° / Pitch ±65° / Skew ±65°
• Print contrast	≥ 20%
• Interface	USB HID ,USB Serial <by request>
• Symbologies	1D: UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, EAN-8, EAN-8 Add-on, JAN-8, JAN-13, Code 39, Tri-Optic, Codabar (NW-7), Industrial 2 of 5, Interleaved 2 of 5, S-Code, Code 128, Code 93, IATA, MSI/Plessey, UK/Plessey, Telepen, Code 11, Matrix 2 of 5, Chinese Post Matrix 2 of 5, Korean Postal Authority code, Intelligent Mail Barcode, POSTNET, JPN (Customer Barcode), GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Composite GS1 DataBar, Composite GS1-128, Composite EAN, Composite UPC 2D: PDF417, MicroPDF417, Codablock F, QR Code, MicroQR Code, Data Matrix (ECC 000-140 / ECC 200), Aztec Code, Aztec Runes, Chinese-sensible code, Maxi Code

Electrical Characteristics

• Input voltage	5 V/DC ± 5%
• Current - operating	390 mA

Physical Characteristics

• Dimension (L * W * 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 90% 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.)

• 10 mil Code 39	65 ~ 210mm
• 13 mil UPC-A	65 ~ 250mm
• 6.7 mil PDF417	60 ~ 135mm
• 10 mil PDF417	55 ~ 185mm
• 6.7 mil QR Code	75 ~ 95mm
• 15 mil QR Code	30 ~ 215mm
• 10 mil Data Matrix	60 ~ 150mm
• 7.9 mil Code 128	80 ~ 165mm

Product specification is subject to change without notice.

RIOTEC CO., LTD.

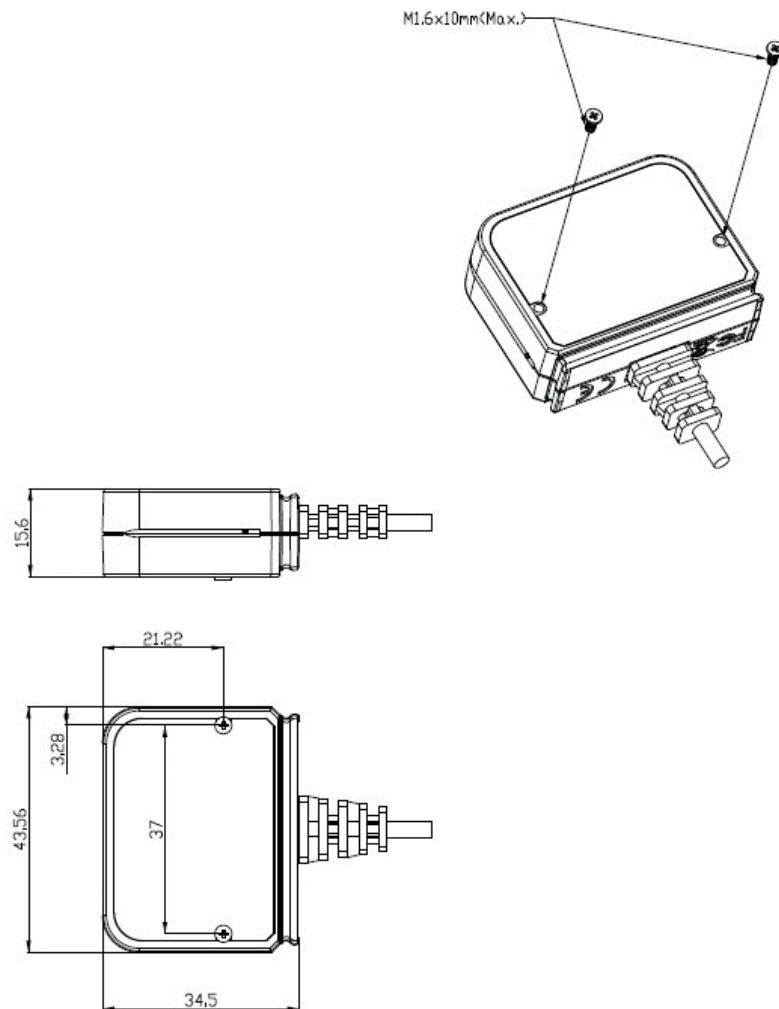
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1. The product size figure is mm
2. Please use M1.6 Screw, length depends on PCB thickness and more than 4~5 mm
3. The tolerance range $\pm 0.1\text{mm}$
4. Torque: $1.1\text{Kg}\cdot\text{cm} \pm 10\%$