



Barcode Scanner

SW111

Unleashed and Unlimited



Scan Imager
1D/2D



Bluetooth
BT5.0



Sealing
IP40



Global Shutter
1280 x 800 pixel



Weight
170g



Warehouse



Manufacturing



Retail



Logistics



SW111

Specification

Update Date: 2023.07.06

Physical Characteristics

Dimensions 197mm* 71.9mm* 68mm

Weight 170g

Color Black

Cable Length 1.8m straight type

Performance Characteristics

Light Source White LED illumination, LED red aimer

Image Sensor 1280 x 800 pixels Global Shutter

Minimum Print Contrast (PCS) Up to 0.20 (20% minimum print contrast ratio)

Scan Rate 60 frames per second

Motion Tolerance

- 600 cm/s (236 in/s) maximum
- 400 cm/s (157 in/s) typical

Pitch/Skew/Tilt Tolerance

- Pitch : ±60°
- Skew: ±60°
- Tilt : 360°

Field of View

- Horizontal: 48°
- Vertical: 31°

Decode Capabilities

Scan Imager 1D/2D

Supported Symbologies

- **Barcode (1D):**
Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN13, EAN/JAN8, IATA code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPCA/EAN-13 with Extended coupon Code, Coupon GS1 Code 32 (PARAF), EANUCC Emulation
- **Postal code:**
Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
- **2D Stacked:**
Codablock A, Codablock F, PDF417, MicroPDF417
- **2D Matrix :**
Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin) Code

Resolution 2.5mils (Code 39), 5mils (Data Matrix), 5mil (QR), 4mils (PDF417)

- Decode Ranges**
- Minimum Distance : 4cm / 1.57in (Code 39, PSC 0.9, 10mil)
 - Maximum Distance : 51.7cm / 20.3in (Code 39, PSC 0.9, 10mil)
 - Depth of field at UPC-A:
44 ~ 573mm/1.73 ~ 22.5 in(13mil)
 - Depth of field at code 39 :
70 ~ 301 mm / 2.76 ~ 11.85 in (5 mil)
40 ~ 517 mm / 1.57 ~ 20.3 in (10 mil)
44 ~ 800 mm / 1.73 ~ 31.5 in (20 mil)
 - Depth of field at code 128 :
42 ~ 650 mm / 1.65 ~ 25.6 in (15 mil)
 - Depth of field at Data Matrix :
72 ~297 mm / 2.84 ~ 11.7 in (10 mil)
 - Depth of field at PDF417 :
84 ~ 244 mm / 3.3 ~ 9.6 in (6.7 mil)
 - At QR Code :
39 ~ 414 mm / 1.54 ~ 16.3 in (15 mil)

Communication Interfaces

Supported Host Interfaces USB HID, USB COM, SPP, Master

Wireless Communication Bluetooth BT5.0, communication range about 3~5m

Power

Voltage Requirement DC 5V ± 5%

Power Consumption Under 200mA (operation), Under 25mA (standby)

Battery

- 2040mAH Lithium Battery (Customized 18500 with protection circuit)
- Recharging time: 4.5 hours

User Environment

Operating Temp. -10~40 °C (14~-40 F)

Storage Temp. -40C~60C (-40 ~76 F)

Environment Humidity 5%~95% RH

Ambient Light Immunity 0 to 100,000 lux (total darkness to bright sunlight)

Sealing IP40

Drop Specification 1m

OS Support

OS Support Windows

Regulatory Compliance

Certification CE/ FCC/ VCCI/ BSMI/ NCC/ TELEC

Accessories

Accessories

- Magnetic charging cable
- Stand (Optional)
- USB dongle (Optional)