



Barcode Scanner

SC511

Lightweight and Affordable with Fast Barcode Scanning



Scan Imager
1D/2D



Global Shutter
640 x 480 pixel



Drop Spec.
1.5m



Weight
120g



Cable Length
1.5m



Warranty
2 years



Warehouse



Manufacturing



Retail



SC511

Specification

Update Date: 2021. 04.27

Physical Characteristics

Dimensions 70 mm*173.3mm*72.6 mm

Weight 120g (without cable)

Color Black

Cable Length 1.5m

Keys 1 scan key

Indicators

- Visual : 1 red LED , 1 blue LED
- Non-visual : buzzer

Performance Characteristics

Light Source Aiming red LED, warm white illumination LED

Image Sensor 640 x 480 pixels

Minimum Print Contrast (PCS) Up to 0.25 (25% minimum print contrast ratio)

Scan Rate Up to 60 frames per second

Trigger Mode Manual, auto-trigger

Pitch/Skew/Tilt Tolerance

- Pitch : $\pm 65^\circ$
- Skew: $\pm 55^\circ$
- Tilt angle : 360°

Field of View

- Horizontal: 40°
- Vertical: 30°

Decode Capabilities

Scan Imager 1D/2D

Supported Symbologies

- **Barcode (1D):**
All UPC/EAN/JAN, Code 39, Code 39 full ASCII, Code 32 , Code 128, CODABAR, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 93, GS1 databar, GS1 databar limited, GS1 databar expanded
- **2D code:**
PDF417, Micro PDF417, Data Matrix, QR Code, Micro QR Code, Aztec

Resolution

- 4mil (Code 39), 6.7mil (PDF417)
- Min. resolution: 30 mm / 4 mil (Code 39)

Decode Ranges

- **Focusing Distance:**
30-140mm (4mil), 40-260 (13mil)
- **Depth of field at code 39 :**
30 ~ 140 mm (4mil)
- **Depth of field at PDF417 :**
30~110mm (6.7mil)
- **Depth of field at QR Code :**
40 ~90 mm (8.34mil)
- **Depth of field at DataMatrix :**
40 ~90 mm (8.34mil)

Communication Interfaces

Supported Host Interfaces

- RS232: DB9 pin (with external power supply)
- USB: ver. 2.0, HID/VCP, USB-A connector

Power

Voltage Requirement 5V \pm 10% (USB), 4.5 ~ 6.5V (RS232C)

Power Consumption 120mA during reading operation, 50mA during standby time

User Environment

Operating Temp. 0~40°C

Storage Temp. -40~70°C

Operating Humidity 10%~95% non-condensing

Storage Humidity 10%~85% non-condensing

Ambient Light Immunity Fluorescent 10,000 lx max, Direct sun 100,000 lx, Incandescent 10,000 lx

Drop Specification 1.5m onto concrete surface

OS Support

OS Support Windows (XP above), iOS, Android (4.0 above)

Regulatory Compliance

Certification CE/ BSMI

Accessories

Accessories

- Cable
- Stand (optional)

Warranty

Warranty 2 Years