



Barcode Scanner

SC111

Accurate Scanning, Capture the Most Challenging Barcodes



Scan Imager
1D/2D



Global Shutter
1280 x 800 pixel



Drop Spec.
1.2m



Sealing
IP40



Weight
130g
(without cable)



Warranty
2 years



Warehouse



Manufacturing



Retail



Cold Chain

SC111

Specification

Update Date: 2021. 03.18

Physical Characteristics

Dimensions	182.9 mm * 71.9 mm * 68 mm
Weight	130g (without cable)
Color	Black
Cable Length	1.8m straight type

Performance Characteristics

Light Source	White LED illumination ; 650nm high visibility red leaser (class 2 laser safety)
Image Sensor	1280 x 800 pixels Global Shutter
Minimum Print Contrast (PCS)	Up to 0.30 (30% minimum print contrast ratio)
Scan Rate	60 frames per second
Pitch/Skew/Tilt Tolerance	<ul style="list-style-type: none">• Pitch : $\pm 60^\circ$• Skew : $\pm 60^\circ$• Tilt : 360°
Field of View	<ul style="list-style-type: none">• Horizontal: 48°• Vertical: 31°

Decode Capabilities

Scan Imager	1D/2D
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Supported Symbologies

- **Barcode (1D):**
EAN/UPC, RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved, Matrix, Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, Postal Codes
- **Postal code:**
Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
- **2D code:**
Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(HanXin) code

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, RS-232
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Power

Voltage Requirement	DC 5V \pm 5%
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Power Consumption	Under 280mA (operation), Under 60mA (standby)
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User Environment

Operating Temp.	-30~60 °C (-22 to 140°F)
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Storage Temp.	-40~70 °C (-40 to 158°F)
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Environment Humidity	5%~95% RH
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Ambient Light Immunity	0 to 100,000 lux
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Sealing	IP40
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Drop Specification	1.2m
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OS Support

OS Support	Windows
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Regulatory Compliance

Certification	CE/ FCC/ VCCI/ BSMI/ EMI
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Accessories

Accessories	<ul style="list-style-type: none">• USB cable• Stand (optional)
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Warranty

Warranty	2 Years
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