



SM600

Desktop presentation barcode scanner

SM600 is a compact and omni-directional Imaging Presentation Scanner. Its revolutionary imaging technology is housed in an elegant, stylish, yet durable design. The compact size and small footprint makes it the ideal solution for space-constrained environments. With SM600, you get the versatility to scan 1D or 2D barcode, starting from the labels, passing through the reading on display of: coupons, gift cards, loyalty cards, boarding passes and even theaters or cinema tickets. SM600 guarantees intuitive and fast reading performance thanks to point-and-shoot scanning simplicity which no need to align barcode and scanner.



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- **Scans most 1D and 2D barcodes** on paper, mobile phones and computer displays
- With the most compact size and small foot-print **can fit in constrained areas**
- **Support hands-free and handheld scan**
- Multi-code mode allows **simultaneous scanning of a group of barcodes**
- **Scanner head can be forward and backward adjusted in a total 180° range** to accommodate to your application
- **Available configuration tool and data formatting functionality** eliminating the need for host system modifications
- Both contact and air 20KV Electro-Static discharge
- **Lightweight and ergonomic design**
- **Side touch power button**

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SM600U

PHYSICAL

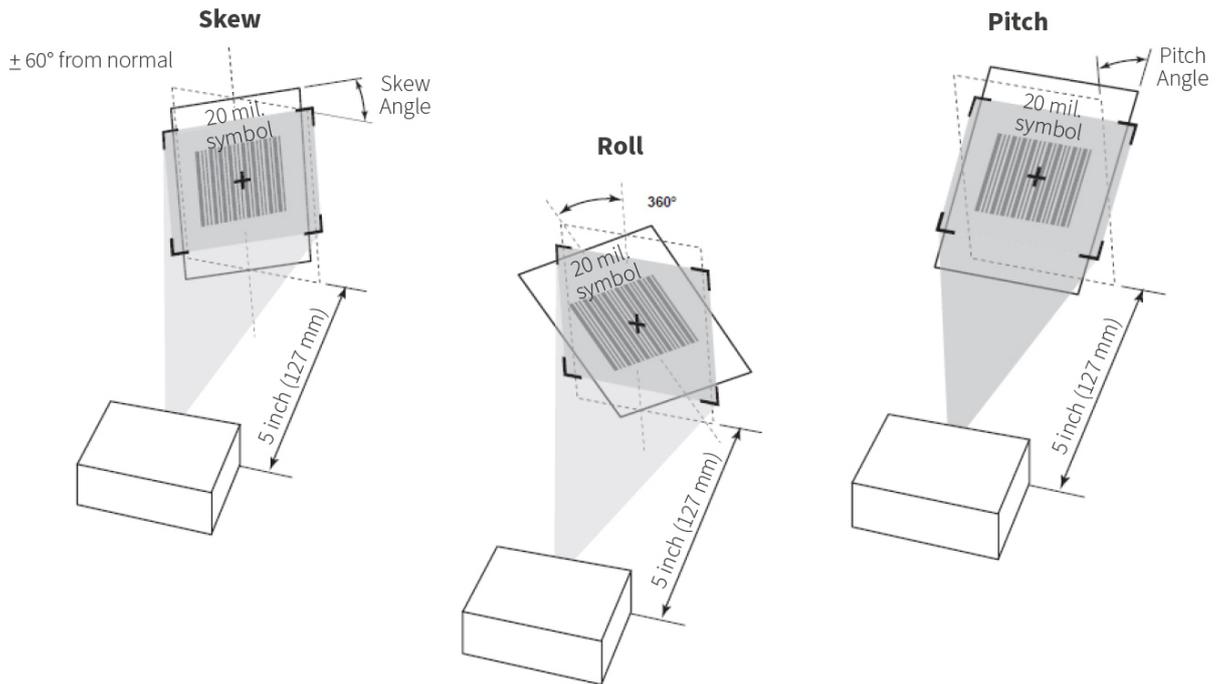
| | |
|------------------------|---------------------------------|
| Body weight | Approx. 315 g |
| Material | ABS plastic |
| Dimension | 97,89 W x 74,90 D x 137,94 H mm |
| Color available | Black |

PERFORMANCE

| | |
|---------------------|---|
| Light source | Visible White LED |
| Reading area | Horizontal -55°, Vertical -35° |
| Resolution | 1280 (H) x 800 (V) pixels 3.0 mil (Code 39), 8 mil (QR Code) |
| Scan speed | 60 fps (frame per second) |
| Pitch | ±60°(from front to back) |
| Skew | ±60°(from plane parallel to symbol (side- to-side) |
| Roll | 360° |

Indicators

Beep and LED (Standby Orange, Good read Blu)
A trigger button can enable / disable aimer for aiming reading



ELECTRICAL

| | |
|-------------------------|--------------------|
| Interface | USB, USB HID, VCOM |
| Supply voltage | USB Power |
| Stand-by (Typ.) | 90 mA |
| Operation (Typ.) | 310 mA |

ENVIRONMENTAL

SM600U

| | |
|--------------------------|----------------------------------|
| Operating temp. | 0°C to 50°C (32°F to 122°F) |
| Storage temp. | -20°C to 70°C (-4°F to 158°F) |
| Relative humidity | 20% to 95% (Non-condensing) |
| Ambient light | 100,000 Lux Max. (Sunlight) |
| Sealing | IP42 (dust and water protection) |

RELIABILITY

| | |
|---------------------------|---|
| MTBF | 50.000 hours |
| Test High Temp. | 70°C, 48 hours |
| Test Low Temp. | -20°C, 48 hours |
| Cable bending test | 25,000 times minimum (30 times/min @ 500 g/90°) |
| Drop resistance | 47.24 inches (120 cm) drop on concrete surface |

SUPPORTED BARCODES

1D Symbologies

UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, Code 39, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codabar/NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expanded

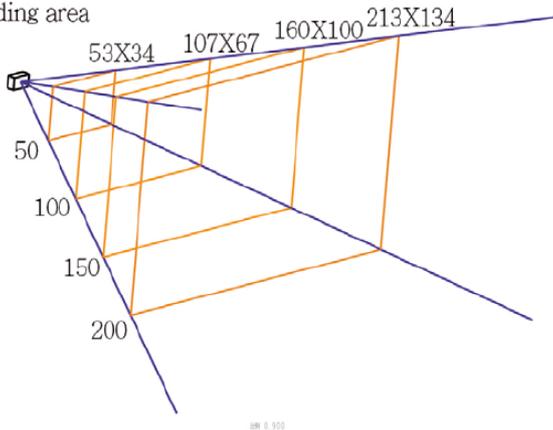
2D Symbologies

Data Matrix, PDF 417, QR Code, Micro PDF 417, Micro QR Code, Aztec, Dotcode, Maxi Code, Han Xin Code

READING RANGE

Barcode mil/Depth of field mm

Reading area



| | |
|--------------------------|-----------|
| 3mil Code39 | 40~60 mm |
| 4mil Code39 | 35~85 mm |
| 5mil Code39 | 35~95 mm |
| 10mil Code39 | 25~150 mm |
| 20mil Code39 | 20~200 mm |
| 20mil QR Code | 20~120 mm |
| 20mil PDF417 | 20~90 mm |
| 20mil Data Matrix | 20~160 mm |

Note: The test is under ambient light 700 ~ 800 Lux.

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