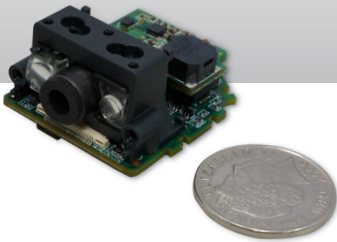


SM5800 Series

Area Imaging OEM Scan Module



- Compact and easy mounting design allowing for flexible integration.
- On-board beeper and LED indicators provide clear user feedback
- Useful test mode helps to identify the optimal mounting position
- Flexible user-defined serial trigger command supported
- OK and NG output signals supported for precise reading control
- Read barcodes on curved surface, on reflective material, or on mobile phone screens
- Fast and simple configuration with iCodes
- Advanced data formatting with DataWizard Premium
- Cost-free security mechanism through DataWizard Premium

Performance Characteristics

| | |
|---------------------|---|
| Image Sensor | 1280 x 800 Pixels |
| Print Contrast | 18% minimum reflectance difference |
| Light Source | 660nm LED |
| Minimum Resolution | HD Model 2.4 mil Code 39, 4.5 mil DM SR Model 2.7 mil Code 39, 4.8 mil DM |
| Reading Range | HD Model 13 mil (0.33mm) UPC/EA up to 9" SR Model 13 mil (0.33mm) UPC/EA up to 16" |
| Configuration Setup | Barcode commands iCode (Configuration barcode) FuzzyScan PowerTool |
| Data Editing | DataWizard Premium |
| User Interfaces | USB HID (USB Keyboard) USB VCOM (USB COM port emulation) True RS232 UART (3.3V TTL Serial) |

User Environment

| | |
|------------------------|---|
| Operating Temperature | -20 °C to 50 °C (-4 °F to 122 °F) |
| Storage Temperature | -40 °C to 70 °C (-40 °F to 158 °F) |
| Humidity | 5% to 95% relative humidity, non-condensing |
| Ambient Light Immunity | 0 ~ 100,000 lux |

Supported Symbologies

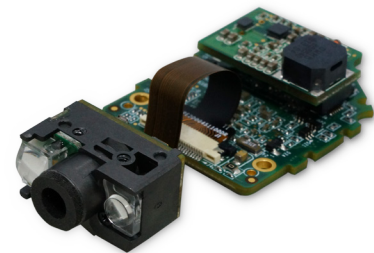
| | |
|-----------------|---|
| 1D Linear Codes | Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey |
| 2D Codes | PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR |
| Postal Codes | Australian Post, US Planet, US Postnet, Japan Post |

Safety & Regulatory

| | |
|---------------|---------------------------------------|
| Safety | LED Eye Safety IEC62471, Exempt Group |
| Environmental | Compliant with RoHS directive |

Physical Characteristics

| | |
|-----------------------|---|
| Dimension (L x W x H) | 38.0 mm x 33.6 mm x 18.8 mm |
| Weight | 15 g |
| Connector | 15 pin interface connector |
| Mounting | 3 screw holes (∅ 1.7mm X 33.6mm in depth) |
| Input Voltage | 5 VDC ± 10% |



When space is constrained, scan engine can be separated from the decoder board as an alternative mounting method.

