

IC-2950FM

2D Fixed Mound Barcode Scanner



Technical Specifications

Electrical Characteristics

Interface Supported	USB HID KEYBOARD/USB VCP or RS-232
Input Voltage	DC 5V±10%
Current	<250mA

Optical Characteristics

Image Sensor	CMOS Array Sensor
Sensor Resolution	1280 X 800 Pixels
Light Source	White LED
Aim Light Source	Red Bar LED

Performance Characteristics

Scanning Angle	Pitch angle:±70°;Skew angle:±70°;Tilt angle:±180°
Field of View	53°(H),33°(V)
Min Resolution	1D $\geq 0.101\text{mm}/4\text{mil}$ (PCS 0.9) 2D $\geq 0.178\text{mm}/7\text{mil}$ (PCS 0.9)
Min .PCS value	> 20% UPC/EAN 13 (13mil)
Language	Multiple Languages
Data Edition	Support for custom data output

Decode Capability	1D: UPC-A/UPC-E; EAN-8/EAN-13; Code128; Code39; Code93; Code32; Code11; Codabar; Plessey; MSI; Interleaved 2 of 5; IATA 2 of 5; Matrix 2 of 5; Straight 2 of 5; Pharmacode; RSS-14; RSS-14 Expanded; RSS-14 Limited; Composite Code-A; Composite Code-B; Composite Code-C; 2D: PDF417; Micro PDF417; Data Matrix; QRcode; Micro QR; Aztec; MaxiCode
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Physical Characteristics					
Dimensions	68mm*48mm*24mm(L*W*H)				
Weight	120g				
Indicator	Beeper, LED				
Environmental Characteristics					
Temperature	0°〜50°C / 32°〜122°F(operation) /-10°〜60°C /14°〜140°F(storage)				
Humidity	20 - 85% (operation)) 20 - 90% (storage)				
Shock Drop Test	1.5m drop onto concrete surface				
Decoding Depth of Field					
Symbology	Resolution	Barcode number	Barcode width	Nearest	Farthest
Code 128	3.34mil	15	1.8x1.5cm	7cm	10cm
Code 128	5mil	20	4.3x1.5cm	6.5cm	15cm
Code 128	15mil	7	4.3x1.5cm	5cm	45cm
Code 39	6.67mil	16	4.4x1.5cm	6cm	18cm
Code 39	20mil	4	4.3x1.5cm	5cm	50cm
EAN 13	13.34mil	13	4.2x1.5cm	4cm	34.5cm
QR Code	20mil	120	2x2cm	6cm	30cm
Data Matrix	6.67mil	60	0.5x0.5cm	6cm	13.5cm
PDF417	13.34mil	23	3.5x31.5cm	4cm	32.5cm
QR Code On the screen		18	2.1x2.1cm	4cm	56cm
QR Code On the screen		18	3.7x3.7cm	7cm	88cm

