

2D Barcode Scan Engine's Specifications :

Model Name

AI 3255



Description

2D Barcode Scanner

Performance Characteristics

• Illumination Element	White Light
• Aiming LED	Red Light
• Image Sensor	CMOS (640×480 pixels)
• Depth of Field	13 mil EAN 13 : 350 mm
• Best Resolution	1D (4mil) : Code 39 2D (5mil) : PDF417
• Print Contrast	$\geq 25 \%$
• Scan Angle	Tilt: 360° / Pitch $\pm 50^\circ$ / Skew $\pm 50^\circ$
• Indicators	LED & beeper
• Interface	USB HID, Virtual-COM , UART
• Symbolologies	1D: Code 128, EAN-13, EAN-8, Code 39, Code 32, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, ISBN/ISSN, Code 93, Code 11 GS1-128, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded 2D: PDF417, QR Code, Micro QR Code, Data Matrix, Aztec

Electrical Characteristics

• Input voltage	3.3 VDC $\pm 5\%$
• Current - operating	< 170 mA

Physical Characteristics

• Dimension (W x D x H)	21.8 x 11.2 x 7.1 mm
• Weight	3.5 g

User Environment

• Temperature-operation	-5°C to 50°C
• Temperature-storage	-15°C to 60°C
• Humidity	5% to 95% relative humidity, non-condensing
• Ambient Light	0-100,000 lux (total darkness-bright sunlight)

Decode Zone (DOF is measured at the office under 600 lux and by Standard barcode. There are +/- 10 mm Torrence. DOF may be also impacted by barcode quality and environmental conditions.)

• 4mil Code39	60 ~ 120 mm
• 5mil Code39	50 ~ 160 mm
• 13mil EAN13	50 ~ 350 mm
• 6.67 mil PDF417	65 ~ 150 mm
• 10 mil DataMatrix	45 ~ 180 mm
• 20 mil QR Code	45 ~ 260 mm

Product specification is subject to change without notice.

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