

2D Barcode Scan Engine's Specifications :

Model Name

AI 3255UL



Description

2D Barcode Scanner

Performance Characteristics

• Illumination Element	White Light
• Aiming LED	Cross-type Laser
• Image Sensor	CMOS (1280× 800 pixels)
• Depth of Field	13 mil EAN 13 : 680 mm
• Best Resolution	1D (4mil) : Code 39 2D (5mil) : PDF417
• Print Contrast	$\geq 25 \%$
• Scan Angle	Tilt: 360° / Pitch $\pm 55^\circ$ / Skew $\pm 55^\circ$
• 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 PDF417, Micro QR Code, Data Matrix, Aztec GS1-composite

Electrical Characteristics

• Input voltage	3.3 VDC $\pm 5\%$
• Current - operating	< 300 mA

Physical Characteristics

• Dimension (L x W x H)	11.11× 21.7 × 7 mm
• Weight	3.5 g

User Environment

• Temperature-operation	-10°C to 55°C
• Temperature-storage	-20°C to 65°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	85 ~ 220 mm
• 5mil Code39	70 ~ 310 mm
• 13mil EAN13	60 ~ 680 mm
• 6.67 mil PDF417	100 ~ 260 mm
• 10 mil DataMatrix	70 ~ 340 mm
• 20 mil QR Code	45 ~ 500 mm

Product specification is subject to change without notice.

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