



2D Baecode Scan Engine's Specifications :

Model Name

AI 3200 V3



Description

2D Barcode Scan Engine
(SHD)

2D Barcode Scan Engine
(SR)

Performance Characteristics

• Light source	625±10 nm LED	
• Image Sensor	CMOS	
• Resolution	752*480	
• Depth of field	1D (13 mil Code 39) : 330 mm	1D (13 mil Code 39) : 460 mm
• Best resolution	1D (CODE39) ≥ 3mil 2D (PDF417) ≥ 4mil	1D (CODE39) ≥ 4mil 2D (PDF417) ≥ 6.67mil
• Interface	RS232 TTL, USB (HID)	
• Print contrast	≥ 30%	
• Roll	360°	
• Pitch	±50°	
• Yaw	±50°	
• Field of View	Horizontal 36°; Vertical 23°	
• Symbolologies	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, GS1 Databar, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, MSI, UCC/EAN-128, Matrix2 of 5, Industrial 2 of 5, Code 11, PDF417, Data Matrix, QR Code, Micro QR code	

Electrical Characteristics

• Operational Input Voltage	3.3 VDC ±5%
• Current - operating	210 mA
• Current - Idle	8.7mA

Physical Characteristics

• Dimension (L x W x H)	14.6 × 21.2 × 11.3 mm
• Weight	4.4 g

Environment

• Temperature-operation	0°C to 50°C
• Temperature-storage	-10°C to 60°C
• Humidity-operation	5% to 95% (non-condensing)
• Light level	0 ~ 100000 lux (natural light)

Decode Distances (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.)

• Code39(3mil)	60mm -140mm	-
• Code39(4mil)	50mm -170mm	60mm -160mm
• Code39(5mil)	50mm -200mm	55mm -240mm
• UPC-A(13mil)	50mm -330mm	50mm -460mm
• PDF417(6.67mil)	50mm -175mm	85mm -185mm
• Data Matrix(10mil)	70mm -120mm	80mm -125mm
• QR Code(20mil)	55mm -235mm	85mm -285mm

Product specification is subject to change without notice.

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