

2D Baecode Scan Engine's Specifications :

Model Name

AI 3200



Description	2D Scan Engine (Super HD)	2D Scan Engine (HD)	2D Scan Engine (SR)
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Performance Characteristics

• Light source	625±10 nm LED		
• Image Sensor	CMOS		
• Resolution	752*480		
• Depth of field	20 mil Code 39: 280 mm	20 mil Code 39: 280 mm	20 mil Code 39: 320 mm
• Best resolution	1D (CODE39) ≥ 3mil 2D (PDF417) ≥ 4mil	1D (CODE39) ≥ 4mil 2D (PDF417) ≥ 5mil	1D (CODE39) ≥ 5mil 2D (PDF417) ≥ 6mil
• 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, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, UCC/EAN-128, GS1 Databar, PDF417, QR Code, Data Matrix		

Electrical Characteristics

• Operational Input Voltage	3.3~3.5 V/DC
• Current - operating	230 mA
• Current - Idle	7mA

Physical Characteristics

• Dimension	21.17(W)×14.6(D)×11.52(H) mm
• Weight	4.4 g

Environment

• Temperature-operation	-20°C to 60°C
• Temperature-storage	-40°C to 80°C
• Humidity-operation	5% to 95% (non-condensing)
• Light level	0 ~ 100000 lux (natural light)

Decode Distances

• Code39(3mil)	50mm - 70mm	-	-
• Code39(4mil)	50mm - 85mm	60mm - 90mm	-
• Code39(5mil)	-	55mm - 120mm	60mm - 120mm
• UPC-A(13mil)	45mm - 150mm	50mm - 210mm	45mm - 250mm
• Code39(20mil)	-	70mm - 280mm	70mm - 320mm
• PDF417(4mil)	48mm - 85mm	-	-
• PDF417(6mil)	37mm - 108mm	55mm - 120mm	40mm - 160mm
• Data Matrix(6mil)	48mm - 75mm	-	-
• Data Matrix(10mil)	27mm - 115mm	35mm - 150mm	40mm - 160mm
• QR Code(20mil)	-	40mm - 230mm	40mm - 275mm

Product specification is subject to change without notice.

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