RT206
OEM 2D BARCODE SCAN ENGINE

Features:

▶ **Ultra compact, very small, with decoder board and imager 2-in-1**

This compact, lightweight engine fits easily into even the most space-constrained equipment such as data collectors, meter readers, ticket validators, POS, vending machine and PDAs.

▶ **It has excellent performance to read those usual bar codes.**

This OEM 2D Barcode Engine would be your excellent choice for general use for scanning usual bar code.

▶ **It supports all mainstream 1D and standard 2D barcode symbologies** (e.g.: PDF417, QR Code M1/M2/Micro, Data Matrix) as well as GS1-DataBarTM(RSS) (Limited/Stacked/Expanded versions).
It can read bar codes on virtually any medium - paper, plastic card, mobile phones and other LCD display devices.

Mechanical

Dimensions (LxWxH)	21.2(W)×14(D)×11.1(H)mm
Weight	4 g

Electrical

Voltage	3.3 VDC±10%
Operating current	131mA (typical), 171mA (max.)
Standby current	8.2 mA (Sleep <10uA)
Power Consumption	432mW (typical)
Host System Interfaces	TTL level serial, or if with emulation kit: USB HID-KBW, USB virtual COM, RS232
LED class	EN62471:2008
Electromagnetic compatibility	EN55022, EN55024, EN60950-1

Environmental

Operating Temperature	-20°C to 60°C
Storage Temperature	-40°C to 70°C
Humidity	5% to 95% relative humidity, non-condensing
Drop	withstand 1.0 m drops to concrete on each of the faces
Illumination Level	0 to 100,000 lux

Scan Performance

Scan Pattern	Area Imager
Optical Resolution	CMOS 640*480 pixels
Scan Angle	Omnidirectional
Symbol Contrast	25% minimum reflectance difference
Scan Angle	Roll: 360°, Pitch: ±60°, Skew: ±60°
Field of View	Horizontal 44°, Vertical 33.2°
Decode Capability	2D: PDF417,Data Matrix, QR code
	1D: Code 128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, GS1-DataBarTM(RSS), (RSS-14, RSS-Limited, RSS-Expand)
Typical Depth of Field	EAN-13 50mm-365mm (13mil)
	Code 39 40mm-165mm (5mil)
	Data Matrix 35mm-115mm (10mil)
	QR Code 35mm-145mm (15mil)
	PDF 417 45mm-115mm (6.67mil)