MobyData

E3200 Ultra-slim 2D Image Scan Engine

◼ Scanning performance

| Ultra-wide FOV design to improve bar code snappiness especially for long bar code
| Global Shutter CMOS Sensor bring much perfect motion tolerance performance
| Provides fast and accurate reading of barcodes and extraordinary motion tolerance, even on hard-to-read codes as well as those displayed on mobile phone screens, worn, dirty, poorly printed & bended bar codes.
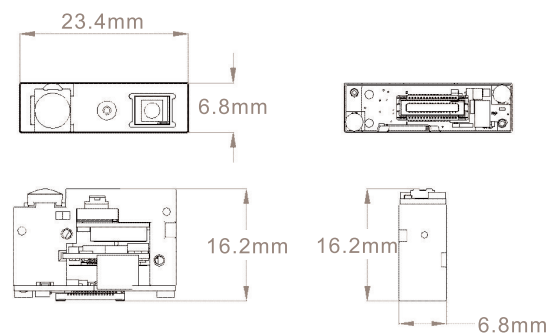| High reading performance on color barcode, inverse barcode and DPM bar code.

◼ Unique Product Characteristics

| Datalogic Decoding Technology and authorization algorithmic
| Flexible technical support on the integration of customer product.
| Accurate Reading Ability, only decode bar code label that's close to the center of the aiming pattern, even when many labels are crowded.

Applications

◼ Hardware characteristics

| Ultra slim height, only 6.8 mm. Perfect for integration into ultra-slim devices.
| Compatible design with some competitor's product, directly integrated instead

◼ Product size

23.4mm 6.8mm 16.2mm 16.2mm 6.8mm

Manufactue Industry

T&L

Government

Retail

Health Care

Mobile Payment

Specifications

MECHANICAL	
Dimensions	23,5 mm x 16,2 mm x 6,8 mm
WEIGHT	2.2g
ELECTRICAL	
Input voltage	VCC 3.1~4.5V, VDDIO 1.7~4.5V
Current Consumption	I/O Power current : 1mA
	Supply voltage current : 200mA
Interface	MIPI
Illumination	White LED
Aiming	Blue aimer LED
ENVIRONMENTAL	
Temperature	Storage:-30°C to 70°C
	Operating: -20°C to 50°C
Humidity	5-95%
Shock Rating	2500 G at 23 °C at 0.85 m sec
AMBIENT LIGHT	0 lux to 100,000 lux
PERFORMANCE	
Shutter	Global shutter
Sensor Pixels	640 x 480
Field of View	48° (H) x 34°C (V)
Motion Tolerance	EAN/UPC 100% labels: 1m/s @ best focus distance and with
Symbol Contrast	25% minimum reflectance
Min. Resolution	Linear symbologies : 3mil
	Datamatrix : 7.5mil ， PFD417 : 6.6mil
Scan Angles	Tilt: 360°, Pitch: ± 60, Skew: ± 60
SYMBOLOGIES	
Decode Type(2D)	2D: Aztec Code; China Han Xin Code; Data Matrix; MaxiCode;Micro QR Code; QR Code 2D Stacked:EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites
Decode Type(1D)	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
Postal	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)

READ RANGES

		Typical	Guaranteed
DOF	5 mil Code 39	5.0 - 19.0 cm	6.0 - 16.0 cm
	20mil Code 39	up to 46.0 cm	8.0 - 37.0 cm
	10 mil DataMatrix	5.0 - 13.0 cm	6.0 - 11.0 cm
	13mil EAN-13	4.0 - 33.0 cm	4.5 - 27.0 cm