LV2097T

Barcode Reading Engine

Seamless Integration of Image Sensor and Decode Board Makes the Scan Engine Small ,easy Fit into Various Devices.

Product Advantages

Outstanding Screen Code Scanning Performance

Adopting self-developed core decoding technology, it can quickly recognize barcodes of various qualities.

High Integration

The decoder board and camera are integrated into one design, reducing the size to the extreme, which can meet the needs of various miniaturization applications

Clear Aiming Mode

Provides a clear laser crosshair even in bright sunlight, ensuring accurate scanning of barcodes.

Green Low Power Consumption

By adopting self-developed core technologies, the operation power consumption is greatly reduced, and the service life of the product is extended.

Application scenario (as device accessories)

PDA device, tablet device, slim device, traditional self-service device, etc.

Product Specifications

performance parameter

imaging sensor		1280x800, global shutter
Reading accuracy		3 mil
Field of view		Level 39, vertical 26
Symbologies	2D	QR code: QR, Datamatrix, PDF417, Micro QR, Micro PDF417, Hanxin, GridMatrix, Azt ec, Maxicode, GS1QR, GS1 Datamatrix, GS1Combosite(CC-A/CC-B/CC-C)
	1D	One-dimensional code:Code128, Code39, Code39 full ascii, Trioptic Code39, Code 32, Co de93, UPC- A, UPC-E, UPC-E1, UPC-E+, UPC-A+, EAN8/JAN8, EAN13/ JAN13, BooklandEAN/ISBN, Interleaved 2 of5, Ma trix 2 of 5, Industrial 2 of5, Chinese 2 of5, Codebar, Code 11, MSI, ISBT, GS1 -128, GS1 Databar14, GS1 Databar Li mited, GS1Databar Expanded, postal code of various countries
Typical depth of field recognition		3.3mil CODE39:10~20cm 5mil CODE39 7cm~32cm 13mil EAN13 5cm~72cm 15mil QR 3cm 40cm 10mil DataMatrix 8~28cm 6.7mil PDF417 9.5cm~27cm
Reading Angle		Rotation360°, tilt:±60°, deviation:±60°
Symbol contrast		≥10%
Spotlights		Illumination Light
Spot the light		Aiming Light
Live screenshot		Support button triggering

Mechanical/ele ctrical parameters

communication interface	UART 3.3V, USB HID, USB virtual serial port
Appearance size	21.5mmx7mmx10.5mm (length x width x depth)
weight	<3g
prompting mode	LED, buzzer signal output
working voltage	3.2~3.6V
power dissipation	working current: 280mA@3.3V (scanning status, average current) 40mA@3.3V (standby status, not open USB)45mA@3.3V (standby status, open USB)

enviromental parameter

working temperature	-20~65℃
storage temperature	-40~70
Working humidity	5~95% (no condensation)
Environmental lighting	0~ 100,000LUX

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