LV3085

OEM Scan Engine

1D | 2D | CMOS

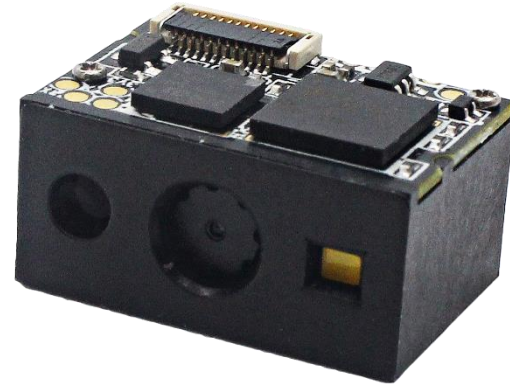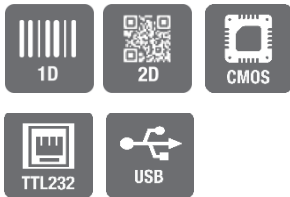TTL232 | USB

Features

UIMG® Technology

RAKINDA's sixth-generation UIMG® technology gives the scan engine an edge with unrivaled decoding capabilities on 1D & 2D barcodes.

Multiple Interfaces

The LV3085 supports USB and TTL 232 - interfaces to meet diverse customer needs.

Compact & Lightweight Design

Seamless integration of imager and decoder board makes the scan engine extremely small and lightweight and easy to fit into miniature equipment.

Outstanding Power Efficiency

The advanced technology incorporated in the scan engine helps reduce its power consumption and prolong its service life.

Application Scenarios (as an accessory)

PDAs, tablets, thin-and-light equipment, traditional self-service devices, etc.

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OEM Scan Engine

Performance	Image Sensor		640×480 CMOS
	Illumination		White LED
	Aimer		Red LED (650 nm±10 nm)
	Symbologies	2D	PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code
		1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey, etc.
	Resolution*		≥5mil
	Typical Depth of Field*	EAN-13	60mm-230mm (13mil)
		Code 39	55mm-125mm (5mil)
		QR Code	40mm-120mm (15mil)
	Min. Symbol Contrast*		25%
	Scan Angle**		Roll: 360°, Pitch: ±45°, Skew: ±40°
	Field of View		Horizontal 45.6°, Vertical 34.2°
Mechanical/ Electrical	Interface		TTL-232, USB (HID Keyboard, COM Port Emulation, HID-POS)
	Operating Voltage		3.3VDC±5%
	Rated Power Consumption		480mW
	Current@3.3VDC	Operating	145±15mA
		Standby	<11mA
		Sleep	<200uA
	Dimensions		21.5(W)×15.3(D)×11.8(H)mm (max.)
	Weight		3.6±0.2g
Environmental	Operating Temperature		-20℃ to 50℃ (-4°F to 122°F)
	Storage Temperature		-40℃ to 70℃ (-40°F to 158°F)
	Humidity		5% to 95% (non-condensing)
	Ambient Light		0~100,000lux (natural light)
Certifications			FCC Part15 Class B, CE EMC Class B
Accessories	LV-EVK		Software development board for the LV3085, equipped with a trigger button, beeper and RS-232 & USB interfaces.
	Cable	USB	Used to connect the LV-EVK to a host device.
		RS-232	Used to connect the LV-EVK to a host device.
	Power Adapter		DC5V power adapter t to power the LV-EVK with RS-232 cable.