

LV30

OEM Scan Engine

- ✦ Outstanding Screen Code Scanning Performance
- ✦ All-in-One Design
- ✦ Outstanding Power Efficiency
- ✦ Multiple Interface



Features

- **Outstanding Screen Code Scan Performance**
Specially improved to scan screen code, it can scan high and low brightness screen, even if the screen is covered with protective film.
- **Multiple interface**
USB and TTL-232 interface to meet different application

- **All-in-One Design**
Seamless integration of image sensor and decoder board makes the scan engine small, easy to fit into various devices.
- **Outstanding Power Efficiency**
The advanced high technology incorporated in the scan engine helps reduce the power consumption and prolong the service life of device.

Application Scenarios (as an accessory)

VTM, self-service cabinets used in e-commerce, smart home storage cabinet, ATM, self-service inquiry terminal, self-service queuing machine, certificate makers.

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Performance	Image Sensor	752×480 CMOS		
	Illumination	Red LED 625nm±10 nm		
	Aiming	Laser 650nm		
	Symbologies	2D	PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code, 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*	≥3mil		
	Typical Depth of Field*	EAN13 (13mil)	60mm-290mm	
		PDF417 (6.7mil)	55mm-135mm	
		Code39 (5mil)	55mm-165mm	
		Data Matrix (10mil)	55mm-130mm	
		QR Code (15mil)	45mm-175mm	
	Symbol Contrast*	≥20%		
	Scan Angle**	Pitch: ±55°, Skew: ±55°, Roll: 360°		
	Field of View	Horizontal: 36°, Vertical: 23°		
Mechanical/	Interface	TTL-232, USB		
Electrical	Dimensions(mm)	21.5(D)x15.3(W)x11.8(H)		
	Weight	4.6 g		
	Operating Voltage	3.3±10% VDC		
	Rated Power Consumption	457mW (typical)		
	Current @3.3 VDC	Operating	138mA (typical), 214mA (max)	
		Standby	8.2mA	
		Sleep	<100uA	
Environmental	Operating	-20℃~+55℃		
	Storage	-40℃~+70℃		
	Humidity	5%~95% (non-condensing)		
	Ambient Light	0~100000 lux (natural light)		
Certifications	FCC Part15 Class B, CE EMC Class B			
Accessories	EVK	Software development board, equipped with a trigger button, beeper and RS-232 & USB interfaces.		
	Cable	USB	Used to connect the EVK to a host device.	
		RS-232	Used to connect the EVK to a host device.	
	Power Adaptor	DC5V power adaptor, used to provide power for the EVK.		

**Test Conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23℃; Illumination=300lux using incandescent lamp

2D: QR CODE; 10 Bytes; resolution=15 mil; PCS=0.8;

Specifications are subject to change without notice.

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