



ES40 2D Barcode Scan Engine

Advanced Megapixel Scanning:

The advanced scanning performance of the ES40 is convincing from paper, plastic and smartphones alike. The engine's CMOS sensor of 1280 x 960 pixels ensures consistent decoding on 1D and 2D barcodes. As a result, you can count on speed and efficiency, even when codes are underlit or damaged.

Precision Aiming:

The ES40's highly visible laser aimer adds an extra level of user accuracy when hitting the codes you intend to scan.

Compact and Dynamic Design:

The ES40 is compact, lightweight and integration-friendly.

Specification:

Performance	Image Sensor		1280*960 CMOS
	Decode Capacities	1D	EAN-8、EAN-13、EAN-13 2 add-on、EAN-13 5 add-on、ISSN、ISBN、UPC-A、UPC-E、Code 11、Code 32、Code 39、Code 39FULLASCII、Code 93、Code 128、Codabar、Industrial 2 of 5、Interleaved 2 of 5、Matrix 2 of 5、ISBT-128、GS1-128、GS1 DataBar (RSS14)、GS1 DataBar Limited、GS1 DataBar Expanded、MSI、Febraban
		2D	PDF417、Micro PDF417、QR Code、Micro QR、Data Matrix、Aztec

	Decode Range	Tested Codes	Min	Max
		5mil code39	9cm	24cm
		UPC-13 mil	4cm	58cm
		20 mil code39	8cm	65cm
		20 mil QR Code	1cm	40cm
	System Compatibility	Linux, Android, Windows XP、7、8、10, MacOS		
	Scan Mode	Auto-sensing Mode /Manual Trigger Scan Mode/Command Trigger Scan Mode		
	Keyboard Countries	USA-English、France-French、Italian、Italian (142) ,German 、Spanish、Finnish、Japanese、Russian、Arabic、Irish、Polish、Dutch、Czech、Portuguese(Portugal、Brazil) 、Swedish、Turkey F、Turkey Q、Greek、Belgium-french、English-England		
	FOV	Horizontal 42° , Vertical 28°		
	Min Symbol contract	25%		
	Second Development	Serial Command		
	Data Edit	Prefix&suffix		
	Scan Angle	Roll ±360° , Pitch ±60° , Skew ±70°		
	Operating Temperature	-20-55℃		
	Conserve Temperature	-20-60℃		
	Operating Humidity	5%-95%(non-condensing)		
	Storage Humidity	5%-95%(non-condensing)		
Ambient Light	0-70000LUX			
Physical	N.W	4g		
	Dimension	21.7mm(W)*15.7mm(D)*11.6mm(H)		
	Accessory	Standard: 60cm FFC Optional: Development board, RS232 Cable, Adapter, USB Cable		
	Interface	USB, TTL		
	Working Voltage	5V		

	USB Manual Scan	Standby Power	0.025A/0.125W	USB Auto Scan	Standby Power	0.143A/0.715W	
		Operating Power	0.117A/0.585W		Operating Power	0.187A/0.935W	
		Max Power	0.171A/0.855W		Max Power	0.204A/1.02W	
			Standby Power	0.025A/0.125W		Standby Power	0.143A/0.715W
			Operating Power	0.117A/0.585W		Operating Power	0.187A/0.935W
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