

Embedded 2D Module HS-2002D

Product introduction

HS-2002D is an embedded two-dimensional code scanning module developed based on the high-performance decoding chip of HCCTG. It can quickly identify all kinds of one-dimensional codes and two-dimensional codes, and has excellent ability of bar code reading on mobile phone screen. Compact size, suitable for all kinds of equipment. Plug and play, simple and convenient operation.

Specifications

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Performance parameters	Image sensor	CMOS	DPI(W*H)	640px*480px	
	Read code system	1D	Code128/AIM128/EAN128/NL128, UPC/EAN/ISSN/ISBN, Codabar, Code 39, Code 39, Code 93, Code 11, ITF-25/ITF-14/ITF-6/ Deutsche12/ Deutsche14, Industrial 25, Matrix 25, Japan Matrix 25/NEC 25, Standard 25, DataLogic 25, MSI-Plessey, Plessey, RSS-EXP /RSS_14/GS1 Data, Telepen		
		2D	AZTEC,Data Matrix, MaxiCode, PDF417, Micro PDF, QR Code, Micro QR, HanXin code, OCR, DOTCODE		
	Accuracy	≥5mil		Typical	
	Contrast ratio	≥20%		1D: EAN-13	(5mil) 40-60mm
	Sensitivity	tilt	±65°		(13mil) 20-140mm
		rotate	360°	2D: QR Code	(15mil) 10-110mm
		deflection	±55°		(30mil) 10-200mm
	Field of view angle	level: 66.4° vertical: 49.8° diagonal: 83°			
	Prompt mode	Beep、LED indicator			
	Data interface	USB KBW、USB HID POS、USB CDC、TTL、RS232			

Electrical parameters	Working voltage		5VDC±5%		
	Electric current	Work	185mA±10%	Stand by	120mA
Environmental parameters	Temperature	Working	0℃~+50℃	Storage	-20℃~+60℃
	Relative humidity	5%~95%（No condensation）		Screen brightness	0~100000 Lux
	Protection level	±16 kV（Air discharge）		±8 kV（Direct discharge）	
Physical parameters	Communication interface	USB、TTL 232、RS232			
	Appearance size	67*53*34.5mm	Weight	95.4g	

Model information

Product model	USB	HS-2002D USB	Package (standard)	D*W*H	210*105*80 (mm)
	RS232	HS-2002D RS232		weight	263.7g
	TTL	HS-2002D TTL	Package box (20pcs)	D*W*H	430*230*435 (mm)
Boxing list (single)	standard	1、Module 2、Cable 2m 3、Instructions 4、Certificate		weight	6.1kg
				Net weight	5.1kg
		radio	Data Cable:USB(40g/pcs) RS232(69g/pcs) TTL(69g/pcs)		

Application Scenarios

Access control all-in-one machine, express cabinet, hospital self-service machine, self-service inquiry machine, channel gate, vending machine and other embedded application scenarios



Picture

