BLACK COPPER
Upgrades network

BC-CS120HD

Industrial QR Code Scanner With Ethernet Interface

BC-CS120HD is a fixed two-dimensional scanning module suitable for general industrial environment use launched by BLACK COPPER company.

It is equipped with a 1280*800 megapixel C-MOS sensor with excellent scanning recognition. BC-CS120HD has an industrial grade of IP65, and it can maintain good working conditions for a long time even in a humid or dusty working environment.

Features

MEGAPIXEL IMAGE SENSOR

Using 1280*800 high-resolution image sensor, the same distance can read barcodes with higher precision

SIMPLE I/O INTERFACE

Through I/O cable external trigger scanning and code reading indication output, improve work efficiency and achieve more accurate and effective code reading

HIGH SPECIFICATION INDUSTRIAL PROTECTION

The body is made of high-strength metal material, which is sturdy and reliable; IP65 protection grade, blocking dust and resisting the impact of low-pressure fresh water splash

LARGE VIEWING ANGLE, HIGH FRAME RATE

Adopt optical lens with horizontal 46°, vertical 29° viewing angle, 60FPS frame rate, meet low-speed motion, point-topoint code reading

APPLICATION SCENARIOS

Direct Store Delivery   Ticket Service   Healthcare   Warehouse   Retail   Manufacturing   Parcel Express

Resolution	1280 * 800 pixel		
Field of View	Horizontal 46° (H), Vertical 29° (V)		
Illumination	High brightness red light/white light		
Aiming	Green LED		
Scan Mode	• Automatic Induction • External Pulse Trigger Mode • Continuous Scan Mode • Serial Port Command Mode		
Decode Capacity	1D	UPC A , UPC E , EAN 8 , EAN 13 , Code 128 , Code 39 , Code 93 , Code 32 , Code11 ,Codabar ,Plessey , MSI , Interleaved 2 of 5 , IATA 2 of 5 , Matrix 2 of 5 , Straight 2 of 5 ,Pharmacode , RSS-14 , RSS-14 Expanded , RSS-14 Limited ,Composite Code-A , Composite Code-B , Composite Code-C	
	2D	PDF 417 , Micro PDF 417 , Data Matrix , QR , Micro QR , Aztec , MaxiCode	
Typical Reading	Model	BC-CS90HD	BC-CS120HD
	Depth of View	Code 39 (5mil) : 60 mm ~ 250 mm EAN-13 (13mil) : 50 mm ~400 mm QR (10 mil) : 35 mm ~ 130 mm	Code 39 (3 mil) : 50 mm ~ 90 mm Data Matrix (10 mil) : 40 mm ~ 150 mm QR (7 mil) : 35 mm ~ 120 mm
	Accuracy	1D : ≥4 mil ; 2D : ≥9 mil	1D : ≥3 mil ; 2D : ≥7 mil
Print Contrast	≥20% (UPC/EAN 100% , PCS 90%)		
Dimension (mm)	36（W）×43（D）×24（H）		
Material	Aluminium alloy		
IP Rating	IP65		
User Indicator	Buzzer, Indicator light		
Transmission	RS232， USB (HID ; CDC)， Ethernet（TCP/UDP/Modbus)		
Power	5-36 VDC		
External Input	1 optocoupler isolated input (NPN / PNG / relay)		
External Output	2-way optocoupler isolated output (Good; NG)		
Current@5 VDC	Operating Current 300 mA ±5%（Typical），450 mA ±5%（Max） Standby Current 100 mA ±5%		
Storage Temp.	-40°C~+70°C		
Operating Temp.	-20°C~+50°C		
ESD protection	±20 kV（air discharge），±8 kV（direct discharge）		
Certifications	CE EN55022 , FCC Part 15 Class B , CE EMC Class B		