

SG007 2D Scanning Barcode Scanner



Many colors are available

Advantage:

1. Powerful performance with low power consumption: Large viewing angle image sensor technology can easily deal with barcode printing, paper printing barcode, and screen barcode.
2. Humanized design: ergonomic design, more convenient operation.
3. Scan the payment box, swipe it lightly, and you can pay;
4. The USB interface is plug and play, no driver installation is required. Reduce the installation drive time, simple and convenient;
5. The smooth and coordinated shape can reduce user fatigue, make the operation extremely comfortable, and work efficiency. The smooth and coordinated shape can reduce user fatigue, make the operation extremely comfortable, and significantly improve work efficiency.
6. Completely independent research and development, with a full set of patents, plug and play without installing drivers.

7. The wide voltage design avoids the situation that data transmission cannot be uploaded due to voltage fluctuations.

8. Low power consumption design, environmental protection, power saving and energy saving.

9. Self-induction recognition, when the scanned product is close to the scanning window, the box will automatically wake up and quickly scan the barcode.

Scope of application

Medical care, supermarkets, retail, manufacturing, mobile phone coupon admission tickets, mobile phone payment barcode scanning, etc.

Barcode/QR code payment: as a peripheral scan code of the cash register or cash register

Contactless payment: as a cash register or a contactless card peripheral of the cash register, it can be used as a small payment

Leisure and entertainment: acceptance of group purchase coupons and cash coupons

Large shopping malls: unified shopping mall MIS system and payment

Physical parameter	
Size	140mm x80mm x 100mm (Length x width x height)
Weight	195g
Input voltage	5V1A
material	ABS
Communication	RS-232 / USB HID-KBW / USB CDC / USB HID-POS

port	
Working current	360mA
stand-by current	160mA
Light source	White light LED (6500K)
Scanning performance parameters	
Image Sensor	640 x 480 CMOS, 30fps
Viewing angle	Horizontal 74° , vertical 58°
Reading angle	Rotate 360° , tilt $\pm 60^\circ$, deflection $\pm 60^\circ$
Classic depth of field	WeChat payment code: 12~200mm Refund code: 40~65mm
Reading accuracy	1D: $\geq 5\text{mil}$ / 2D: $\geq 10\text{mil}$
Decoding ability	2D PDF417, QR Code 1D Code 128、UCC/EAN-128、Ean-13、Ean-8、UPC-E、UPC-A、ITF-25 (Interleaved 2 Of 5) 、Code39、Code93、Codabar 等
Motion tolerance	$\geq 80\text{cm/s}$ (payment code)
Power Adapter	Output: DC5V, 1A Input: AC100~240V, 50~60Hz (optional)
Environmental parameters	
working temperature	0℃ ~ 50℃
Storage temperature	-20℃ ~ 70℃
Working humidity	5%RH~90%RH (non-condensing)
Storage humidity	5-95% non-condensing state
Shaking	5~200Hz, 10Grms, 3axes, 1.5Hr
Static Protection	Contact discharge $\pm 6\text{KV}$, air discharge $\pm 12\text{KV}$

Anti-fall strength	Can withstand 1.5 meters free fall
Waterproof and dustproof:	Comply with IP54 standard
Transport vibration test	10H@125RPM
NFC function (optional)	
Standards compliant	ISO14443 TypeA/B, M1
NFC Reading distance	NXP M1 S50 0~4 cm ID card 0~2.5cm
Function	Continuous card reading/command card reading, add prefix and suffix, terminator
Output	Decimal forward or reverse output can be set, and hexadecimal forward or reverse output can be set

Related certification: CE, FMJ, ROHS, battery MSDS

SG007 product interface definition and signal description (contact below):

Serial number	Pin	describe
1	NC	
2	NC	
3	D-	USBDN signal
4	NC	
5	D+	USBDP signal
6	VCC	Output+5V
7	232-TX	RS232 serial port transmission
8	GND	
9	232-RX	RS232 serial port receiving
10	NC	

