



# New design

## AK-9000 2D handheld and hands-free barcode scanner

In various large supermarkets and chain supermarkets, a variety of larger products are an important part of the product SKU, but it is very difficult for cashiers to use the scanning platform to read the barcode. With the development of the market economy, mobile payment has become the main payment method for daily consumption, but cashiers are frequently restricted when they use the scanning platform to read the payment code. Syble team created the AK-9000 from the ground up for both handheld and hands-free use. Really realize a multi-purpose quick application of one machine. You get Syble industry-leading scanning technology, seamless switching between modes and superior ease of use, which greatly improve the work convenience and accuracy.

### ► Fast scan, improve work efficiency

AK-9000 2D handheld and hands-free barcode scanner read barcode almost instantly. It combines an 1GHZ microprocessor, a high-resolution megapixel sensor and an advanced illumination system. Reading rates up to 4 m/s.

### ► Dynamic switching between hands-free and handheld modes

AK-9000 dynamically switches between hands-free mode and handheld mode through the sophisticated structural design at the bottom and the switch designed in conjunction with the photoelectric sensor. When the checker picks it up, it will dynamically switch to the handheld mode. You only need to gently push the scan button to scan the code; When the checker puts it down, it will automatically switch to the platform mode, and place the barcode in the scan code window to start the code reading operation. Through precise mechanism design and extensive testing and conversion experiments, the switching between modes will not cause damage to the mechanical parts and greatly extend the service life.

### ► "cat's eye" Auxiliary Scanning Light

The AK-9000 provides a "cat's eye" auxiliary scanning light. Regardless of whether it is in the platform mode or the hand-held mode, the auxiliary scanning light is always active, and the operator can easily find the best reading position based on the auxiliary light. Especially when reading codes in the long-range depth of field in the handheld mode, the auxiliary light can accurately help the worker find the best reading position.

### ► High precision, easy and accurate code reading

The AK-9000 has a 1.3 megapixel image sensor that can easily read various barcodes in various industries, including supermarket vacuum packaging barcodes, poorly printing, wrinkled, faded, dirty, and damaged barcodes. Even when the light is dim and the screen is dim, it can be clearly imaged.

### ► Convenient operation and use easily

AK-9000 is easy to operate, plug and play. It supports a number of mainstream national languages in the world, and can be used in almost every country in the world.



### ► The perfect combination of hands free and handheld mode

Handheld and hands free modes have different requirements for scanning. The hands free scanner requires a wider scanning angle, while the handheld scanner needs a farther depth of field. The AK-9000 perfectly combines them together. The AK-9000 scanning angle reaches 80 degrees, and the barcode can be easily read in the covered area; its scanning depth of field reaches 345mm, which can easily read barcodes with long-term depth of field.

### ► Hybrid ergonomics

The ergonomic handle is comfortably weighted and balanced, remarkably easy to pick up and easy to read codes in handheld mode. And integrated adjustable design, the degree can be adjusted 45-95 degrees, to meet various application scenarios. The AK-9000 offers a sturdy, compact solution that fits into space-constrained areas.

**syble**

Performance Parameter

Light Source	Red LED fill light, green LED assisting
Image Sensor	1280*1024 (1.3 million pixels)CMOS
system compatibility	Linux / Android / Windows XP / 7 / 8 / 10 / MAC
Motion Tolerance	Code 39 4mil
Minimum Recognition Accuracy	4 meters/second
Scan Mode	Automatic induction, manually triggered scanning
Keyboard Support	Support multi-language
Print Contrast	20%
Scan Angle	Roll±360°, pitch±60°, skew±70°
Human-Machine Interaction	<b>Blue and green indicator:</b> the blue indicator indicates full code mode, and blinks when reading succeeds. The green indicator indicates dimension code mode, and blinks when reading succeeds. <b>Sound prompt:</b> buzzer prompt, tone switchable <b>Key functions:</b> Function 1: Toggle three tones Function 2, 1D mode switches full code mode Function 3: Manual trigger reading Function 4, platform mode dynamically switches with handheld mode directly
Interfaces	USB-KBW, USB-COM, RS232

Scan Range

Scan Depth of Field	5mil(Code39) 15mm~190mm, 13mil(EAN13) 10mm~345mm, 20mil(Code39) 10mm~420mm, 20mil(QR Code) 10m~280mm.
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Accessories List

USB cable	The USB data cable is used to connect the information receiving host. It applies in USB-KBW mode or USB-COM mode serial cable to connect the data receiving host . It has an adapter port (external power supply is required) and is used in RS232 mode.
Power Adapter	The power adapter is optional (the standard is different in each country), which is used to supply power to the scanning gun with RS232 USB cable. Output: DC5V±5%

Symbol Decode Capability

1D bar code	EAN-8, EAN-13, EAN-13-2add-on, EAN-13-5add-on, ISSN, ISBN, UPC-A, UPC-E, Code11, Code32, Code39, Code93, Code128, Codabar, Industrial2of5, Interleaved2of5, Matrix2of5, ISBT-128, GS1-128, GS1DataBar(RSS14), GS1DataBarLimited, GS1DataBarExpanded.
2D bar code	PDF417, MicroPDF417, QR-code, MicroQR, DataMatrix, Aztec.

Physical Characteristics

Material	ABS+PC
Dimensions	85mm*125mm*185mm
Cable Length	1.8m(±3M)
Weight	270g

Environmental Parameter

Operating Temperature	-20°C - 55°C
Storage Temperature	-20°C - 60°C
Humidity	- 95% RH non-condensing
Drop Specification	Designed to withstand multiple drops at 1.5 m to concrete
Ambient Light Immunity	0-70000LUX

Electronic Parameter

Working Voltage	DC5V±5%
Operating Current	300mA

Structure Size

