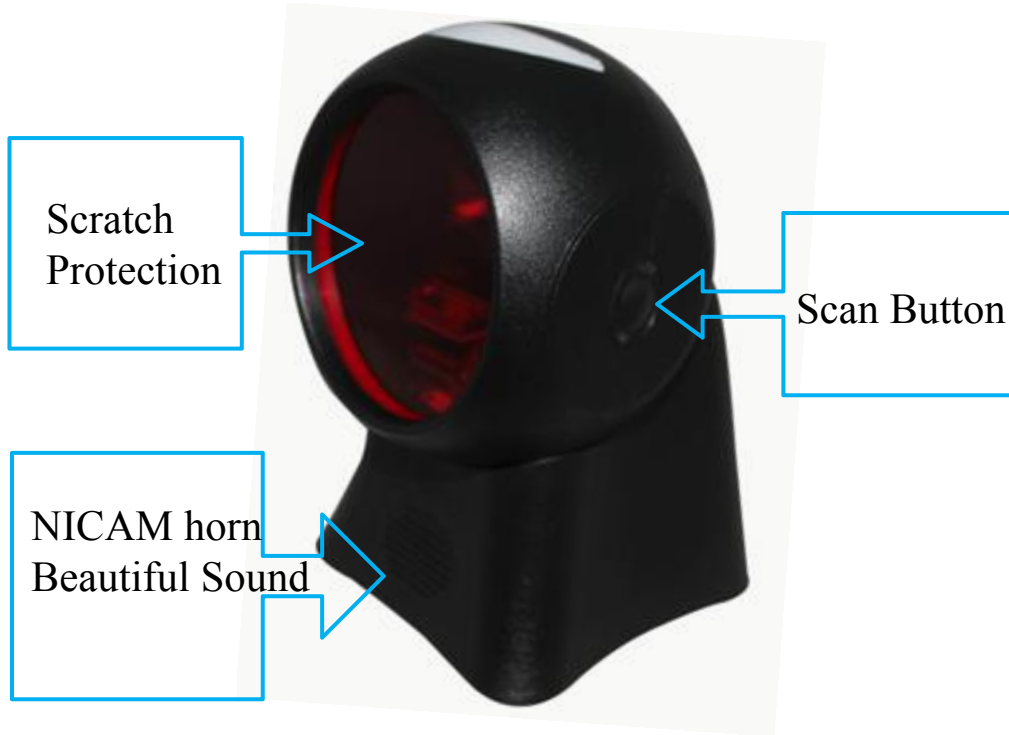# Brief Introduction

Model: RK8120
Omnidirectional Barcode Scanner

- **High performance:** high precision, high reading speed, high compatibility, etc. Widely used in retail, supermarkets, tobacco, logistics, warehousing, medical care, clothing and other fields; highly cost-effective products.

- **Compatible Models**：LS9203、LS9208、MS7120、Z6170、Z6030、Z6070、CBF7020、MX6000、MX6030、MX7020、CO5300、CO5330、XL7721、XL7720, etc.

- **Super Compatibility:** Compatible with major operating systems: Win2003 / WinXP / Vista / Win7 / Win8, Apple MAC; Android, IOS.

Product Features

Scratch Protection

Scan Button

NICAM horn Beautiful Sound

- Powerful 32-bit quad-core CPU: high operation speed, strong decoding capability

- High Reading Speed: 1500 scans/sec.

- Long Reading Distance：0--30cm

- High Precision: ≥5mil。

- 360-degree omni-directional scanning:20-line, 5 directions, each direction 4 parallel lines

- High integration: new generation of programming techniques, direct CPU hardware decoding, reducing failure rate.

- USB Driver Free：Plug and Play

- Inverse Autodetect

Product Features

Light Instruction

Pulley design, the head scanning angle can be adjusted as needed

Easy installing and removing interface

☐ **Military Grade Quality Assurance:** each part is rigorous tested; ensure 100 percent qualified.

☐ **Aging Test:** Each product has been tested under room temperature and high-temperature; and through the practical operation test.

☐ **BERT:** the product has passed test of 30 million times without error.

☐ **Silent Motor:** Taiwan precision motors, balancing test, to ensure that achieve the industry's most silent products.

AUTO ID PROFESSIONAL

Size	154*105*111mm (H/W/L)
Weight/Color	317g/Black/White
Voltage	5.0VD± 10%
Current	230mA
Power Consumption	1W
Light Source	650 Nano visible laser
Scan Mode	Omnidirectional 20-line, 5 directions, each direction 4 parallel lines
Reading Speed	1500 scans/sec.
Depth of Scan	0-25.00CM@13mil(100% UPC/EAN)
Rated Operating Range	5mil:(38%)1.0~5.0cm
	7.8mil:(60%)0~18.0cm
	10.4mil:(80%)0~22.0cm
	13mil(130%)0~25.0cm
Precision	5mil
Interface	USB

Symbologies	UPC/EAN/UCC 128/Code128/Code 39/Code 93 Trioptic/Interleavec 2 of 5/Industridl 2 of 5/Matrix 2 of 5/Code 11/Codabar/MSI,etc.
Operating Temperature	0°C~40°C
Storage Temperature	-40°C~70°C
Humidity	5%~95%(Non-condensing)
Light resistance	It can be used in normal indoor lighting and outdoor natural light conditions, fluorescent, incandescent, mercury vapor lights and sodium vapor lights：450Ft Candles(4,844 Lux), sunlight：8000Ft Candles(86,111 Lux)
Laser Security	CDRH lla class laser product
	IEC 60825 1 class laser product

☐ **Delicate Packaging**：by using imported cardboard, the box can bear an external force of 50kgs. Compact box size saves a lot of freight cost.

☐ **20pcs/Carton**

☐ **Product Size**：154*105*111mm

☐ **Single Box Size**：192*128*111mm

☐ **Carton Size**(20pcs/Carton)：685*414*247mm