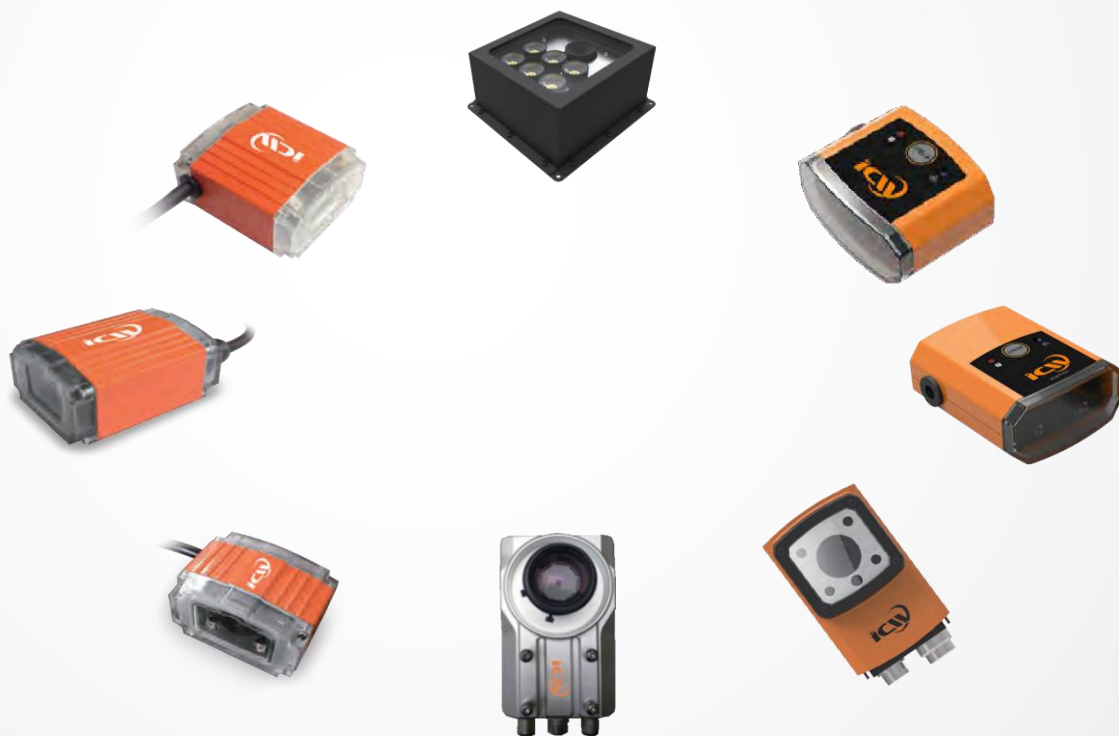


Win the Jack Ma's Yunfeng fund investment



Professional Code Reading -Industrial Vision
Provider



Brand Introduction

Shanghai Shijie Intelligent Tech Co., Ltd., set up by several technical elites who had studied in US, is an indispensable part in the logistics network supply chain. It takes visual products as its core and provides global users with reliable visualized management services.

Consistently committed to the development and manufacture of automatic identification products, Shanghai Shijie is one of the leaders in the innovation of QR code recognition and machine vision field. As a domestic high-tech enterprise, Shanghai Shijie takes national industrial brand revitalization as its responsibility, always adhering to the technical concept of 'independent design', 'independent research&development', 'independent manufacture', and makes contribution to intelligent manufacture achievement by constant product performance and cost performance improvement through continuous innovation,.

Shanghai Shijie owns almost 300 employees and three R&D centers with its manufacturing base located in Suzhou. At present, it has obtained 22 invention patents; 8 utility model patents; 2 software copyright patents; ISO9001, ISO14000 quality environmental system certification and knowledge production and selection system certification; RoHS, IP54, IP65, CE, FCC, explosion-proof, etc. In addition to meeting the needs of domestic users, Shanghai Shijie's products have been exported to France, Korea, Japan, Thailand, Malaysia, Taiwan and other countries and regions; in addition to serving the existing fields like 3C, automotive, pharmaceutical, and logistics, it gradually enters into communications, Finance, specialties, home appliances and other fields.



Company Advantage

01. Strong R&D Strength

There are three R&D centers with its core R&D team made up of doctors and masters from famous universities such as University of Science and Technology of China, Zhejiang University, Fudan University, Wuhan University, Beijing Jiaotong University, and experts in image processing, algorithm development and structural engineering. The self-developed DPM series products fill the gap in direct identification of DPM codes in China while Vericode direct decoding technology supporting is of great convenience to the LCD industry.



02. Perfect Production&Quality Control System

The Suzhou Park, the manufacturing base which covers an area of more than 5,000 square meters, implements 5S production management, achieving production quality control and SAP system traceability from incoming material to shipment. With internal control management of enterprise in line with international standards, it provides reliable and superior technology products to users around the world.



03. Excellent Marketing & Service Team





All core members of the marketing and service team come from Fortune 500 companies. With excellent marketing & service skills and the nationwide sales and service centers, it provides customers with fast and professional localization services.

04. Innovative Product Technology

The initiated intelligent code reading product with the camera lens front-end dome design in the field enables easy reading and decoding of DPM codes; it directly decodes VeriCode without transcoding, thus reducing costs and improving efficiency for customers.



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Cooperative Partners

Product

Naming

Description

ICW8 series 

*ICW8 series
parameters

Products List

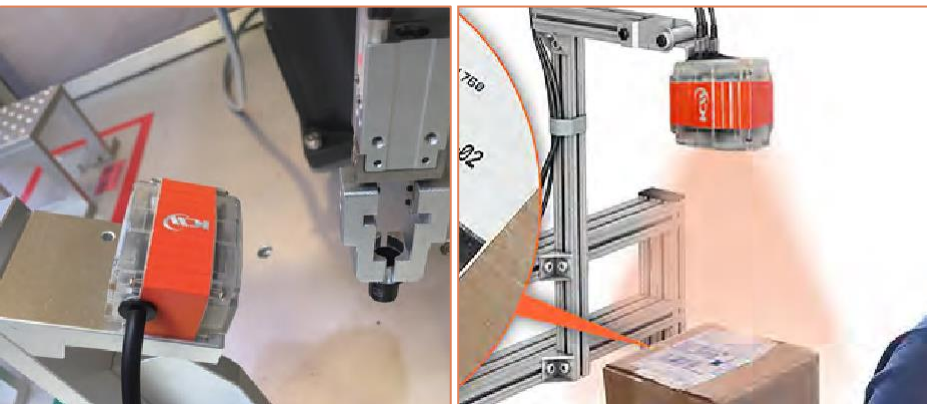
*ICW71 series
*ICW72 series

*ICW74 series
*ICW75 series

Products Accessories

ICW71/72 Series

Fast decoding 2 mil small code



Industrial-grade
Metal Casing
Easy to Integrate

Object auto sense
Industrial leading scan
platform High speed, Omni
directional scanning Read all
mainstream 1D/2D barcodes

Multiple language barcode message
transfer Miniature-easy to integrate
Support RS232 and USB interface
Read barcode off cell phone
screens

ICW71 Series Parameters

model parameters	ICW71L-XX	ICW71Q-XX	ICW71X-XX	ICW71V-XX
size	36(width)X47(height)X27(depth)			
weight	70g			
power supply	5VDC +/-10%, 500mA			
power consumption	peak <2.5W, average 2W			
functional module	Dome illumination			
system structure	ARM926			
image data format	JPEG			
sensor type	Global Shutter CMOS			
software	read static 1D / 2D barcode	read high-speed mobile 1D / 2D barcode with high-performance	read challenging 1D / 2D barcode , including DPM	read1D / 2D barcode read vericode code professionally
focal length	2.6mm			
resolution ratio	VGA 640X480			
frame rate	100 fps			
image color	mono			
auxiliary light source	2 high brightness LED			
angle	FOV-h: 40.5degree		FOV-v: 31degree	
interface type	RS232, USB-virtual-COM, USB-keyboard			
motion tolerance	2m/s			
recognition accuracy	min. 2mil			
code recognition&reading system	1D code: Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, UPC, EAN etc. 2D code: PDF 417, MicroPDF417, DataMatrix, Maxicode, QR code, MicroQR, Aztec, Hanxin, Vericode*, etc.			
temperature	Operating: -30℃ to 60℃, Storage: -40℃ to 70℃			
humidity	0% to 90% relative humidity no-condensing			
IP level	IP54			

2-M3

3mm

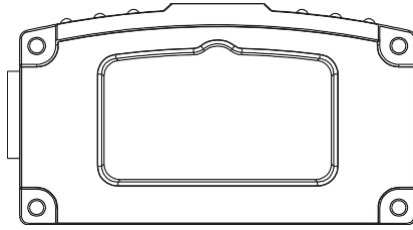
机械牙

36.00

12.00

*Only the V series supports Vericode code decoding





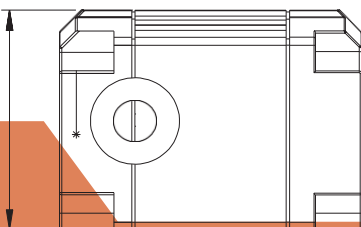


ICW72 Series Parameters

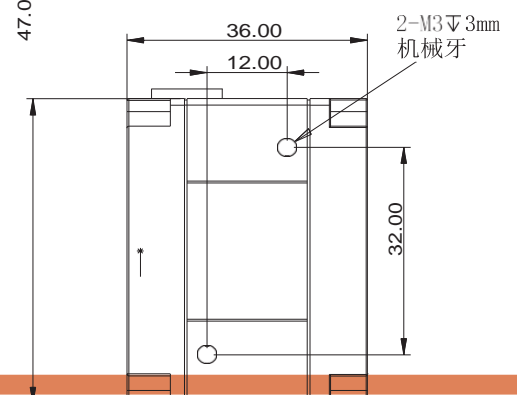
model parameters	ICW72L-XX	ICW72Q-XX	ICW72X-XX	ICW72V-XX
size	36(width)X47(height)X27(depth)			
weight	70g			
power supply	5VDC +/-10%, 500mA			
power consumption	peak <2.5W, average 2W			
functional module	Dome illumination			
system structure	ARM926			
image data format	JPEG			
sensor type	Global Shutter CMOS			
software	read static 1D / 2D barcode	read high-speed mobile 1D / 2D barcode with high- performance	read challenging 1D / 2D barcode , including DPM	read1D / 2D barcode read vericode code professionally
focal length	2.6mm			
resolution ratio	WVGA 800X480			
frame rate	100 fps			
image color	mono			
auxiliary light source	2 high brightness LED			
angle	FOV-h: 40.5degree		FOV-v: 31degree	
interface type	RS232, USB-virtual-COM, USB-keyboard			
motion tolerance	2m/s			
recognition accuracy	min. 2mil			
code recognition&reading system	1D code: Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, UPC, EAN etc. 2D code: PDF 417, MicroPDF417, DataMatrix, Maxicode, QR code, MicroQR, Aztec, Hanxin, Vericode*, etc.			
temperature	Operating: -30℃ C to 60℃ C, Storage: -40℃ C to 70℃ C			
humidity	0% to 90% relative humidity no-condenssing			
IP level	IP54			

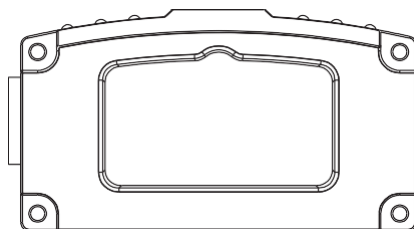
*Only the V series supports Vericode code decoding

27.00



47.00







ICW74 Series NEW



·New Sense and technology Industrial-grade Metal Casing Enhanced IP level : IP65

·Thinner and easier to install More heat dissipation

Object auto sense
Industrial leading scan
platform High speed, Omni
directional scanning Read all
mainstream 1D/2D barcodes

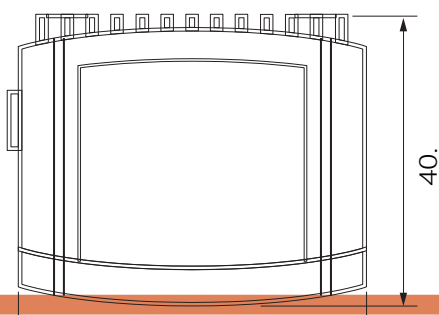
Multiple language barcode message
transfer Miniature-easy to integrate
Support RS232 and USB
interface Read barcode off cell
phone screens

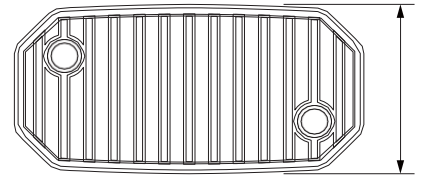
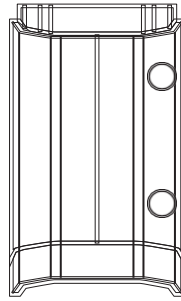
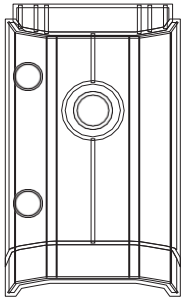


NEW ICW74 Series Parameters

model parameters	ICW74L-XX	ICW74Q-XX	ICW74X-XX	ICW74V-XX
size	46.8(width)X23.5(height)X40.6(depth)			
weight	100g			
power supply	5V~24VDC +/-10%, 500mA			
power consumption	peak <2.5W, average 2W			
functional module	Dome illumination			
system structure	ARM926			
image data format	JPEG			
sensor type	Global Shutter CMOS			
software	read static 1D / 2D barcode	read high-speed mobile 1D / 2D barcode with high- performance	read challenging 1D / 2D barcode , including DPM	read1D / 2D barcode read vericode code professionally
focal length	2.6mm			
resolution ratio	WVGA 800X480			
frame rate	100 fps			
image color	mono			
auxiliary light source	2 high brightness LED			
angle	FOV-h: 40.5degree		FOV-v: 31degree	
interface type	RS232, USB-virtual-COM, USB-keyboard			
motion tolerance	2m/s			
recognition accuracy	min. 2mil			
code recognition&reading system	1D code: Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, UPC, EAN etc. 2D code: PDF 417, MicroPDF417, DataMatrix, Maxicode, QR code, MicroQR, Aztec, Hanxin, Vericode*, etc.			
temperature	Operating: -30℃ to 60℃, Storage: -40℃ to 70℃			
humidity	0% to 90% relative humidity no-condenssing			
IP level	IP65			

*Only the V series supports Vericode code decoding





ICW75 Series NEW



- New Sense and technology
- Industrial-grade Metal Casing
- Thinner and easier to install
- New megapixel lens

- Enhanced IP level : IP65
- More heat dissipation
- New aviation connector

Object auto sense
Industrial leading scan
platform High speed, Omni
directional scanning Read all
mainstream 1D/2D barcodes

Multiple language barcode message transfer
Miniature-easy to integrate
Support RS232 and USB
interface Read barcode off cell
phone screens

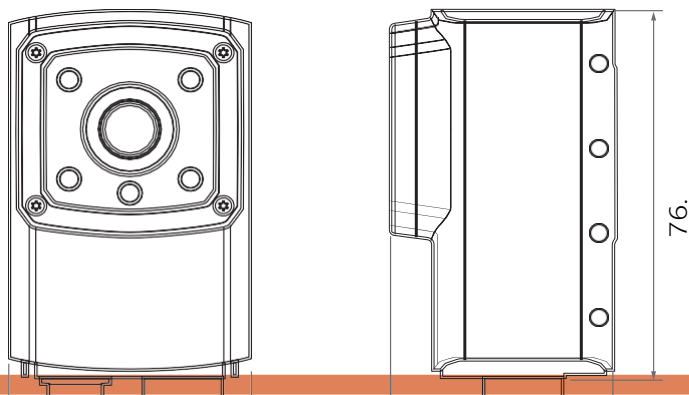


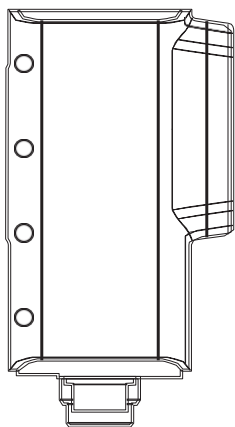


NEW ICW75 Series Parameters

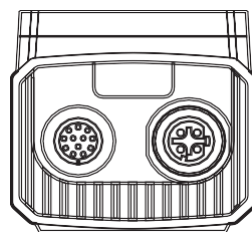
model parameters	ICW75L-XX	ICW75Q-XX	ICW75X-XX	ICW75V-XX
size	48(width)X76.8(height)X45(depth)			
weight	150g			
power supply	5V~24VDC +/-10%, 500mA			
power consumption	peak <2.5W, average 2W			
functional module	Dome illumination			
system structure	ARM926			
image data format	JPEG			
sensor type	Global Shutter CMOS			
software	read static 1D / 2D barcode	read high-speed mobile 1D / 2D barcode with high- performance	read challenging 1D / 2D barcode , including DPM	read1D / 2D barcode read vericode code professionally
focal length	2.6mm			
resolution ratio	WVGA 1280X1204			
frame rate	100 fps			
image color	mono			
auxiliary light source	2 high brightness LED			
angle	FOV-h: 40.5degree		FOV-v: 31degree	
interface type	RS232, USB-virtual-COM, USB-keyboard			
motion tolerance	2m/s			
recognition accuracy	min. 2mil			
code recognition&reading system	1D code: Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, UPC, EAN etc. 2D code: PDF 417, MicroPDF417, DataMatrix, Maxicode, QR code, MicroQR, Aztec, Hanxin, Vericode*, etc.			
temperature	Operating: -30℃ to 60℃ C, Storage: -40℃ C to 70℃ C			
humidity	0% to 90% relative humidity no-condenssing			
IP level	IP65			

*Only the V series supports Vericode code decoding





48



45

SH500/SH600

大视野、大景深

- Suitable for production lines with different heights and sizes
- Read multiple barcodes at

读取移动物体

- Read barcode on

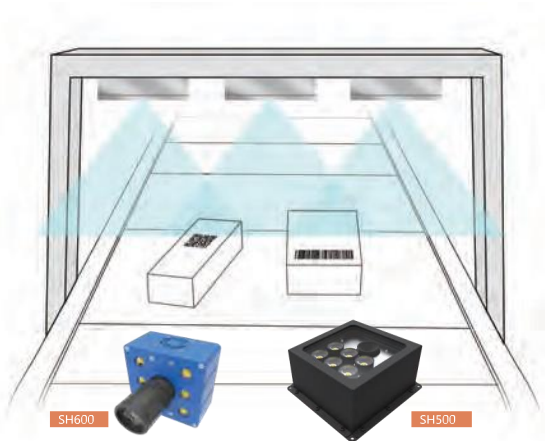
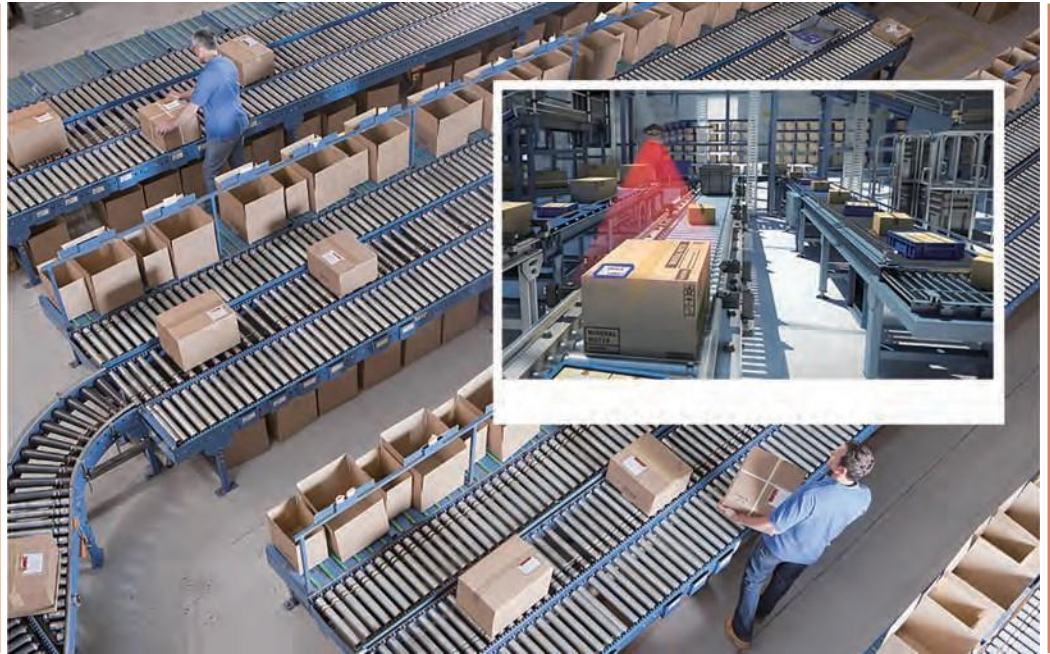


Image barcode reader mounted to the door frame
suitable for

- Express and logistics sorting
- Assembly line in manufacturing industry
- Baggage check-in, etc

SH500/SH600 Series barcode reader

Property superiority :

- Accurately read moving objects at high speed
- Stably and reliably read barcodes of which the various materials are in state of poor quality, deformation and reflection , thus effectively improving the automatic sorting efficiency.
- Read a wide range of code systems, capable of reading a variety types of barcodes
- All-round vision , capture all kinds of barcodes in omni
- Dust-proof and anti-fall, can be applied in harsh



SH500/multi-functional code scanning and weighing

machine



多功能条码识别装置H500

Property Superiority

- 500W pixel multifunctional camera
- High brightness of LED lighting
- Customized scanning angle & distance
- 1D/2D barcode scanning, color / black and white picturing

Appearance&Size外观尺寸

131mm x 131mm x 70mm

分拣系统

Property Superiority

- Black and white / color picturing
- Precise weighing
- Fast barcode scanning
- Optional: volume & weighing, computer

Appearance&Size外观尺寸

2000mm x 580mm x 500mm

Scanning platform size扫描平台平

面尺寸

400mm x 300mm

包裹称重

快速扫码

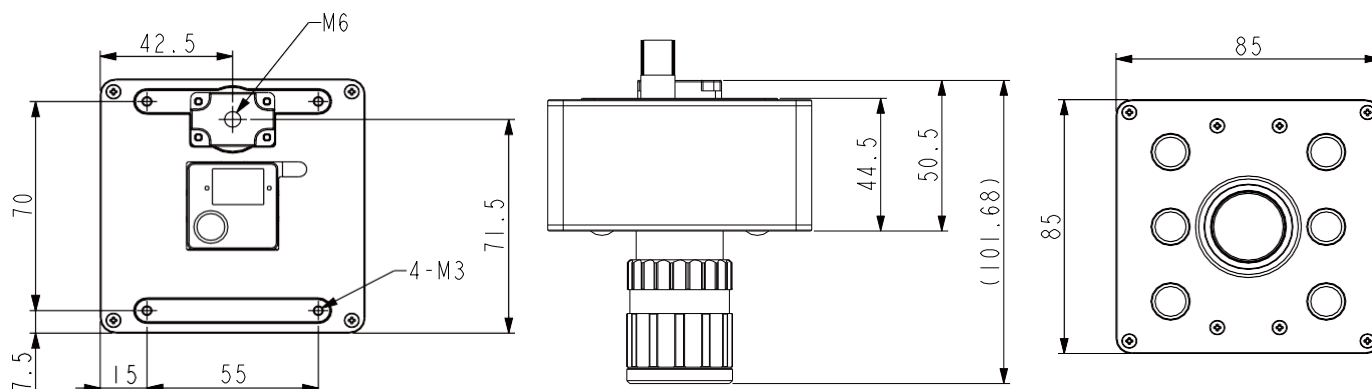
测量体积

高清图片



SH500/SH600 Parameters

model	SH500	SH600
parameters		
size	131mm*131mm*70mm	86mm*86mm*130mm
wheight	900g	500g
voltage	12V	12V
current	1000mA (工作)	1000mA (工作)
sensor pixel	2592p(H)*1944p(V)	3072p(H)*2048p(V)
lighting	6500K LED	6500K LED
View angle	optional lens. field of view and angle adaptive to lens	optional lens. field of view and angle adaptive to lens
sensitivity	tilt+/-65° rotate360° deflection inclination+/-60°	tilt+/-65° rotate360° deflection inclination+/-60°
motion tolerance	/	1m/s at high
communication interface	USB	GbE
recognition and reading precision	450mm-1100mm	typical code reading distance : Code128 (20mil)
recognized and readable code systems	1D code: Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, UPC, EAN etc. 2D code: QR code, MicroQR, PDF 417, MicroPDF417, DataMatrix, Maxicode, Aztec, Hanxin, etc.	





Smart camera solution based on win10 system, including:

Sony iMX 265 310 megapixel global shutter CMOS sensor

Optional Sony iMX 264 500 megapixel CMOS sensor

Intel Atom J1900 1.91GHz 4-core processor

Fast 1D/2D barcodes scanning with frame processing rate up to 35 frames per second

Extra long depth of field without need of focusing, 15mil

C128 code reading ranges from 95 cm to 150 cm

Large vision field

Covering a width of 32cm at the height of 90 cm

Covering a width of 53cm at the height of 150 cm

Rich interfaces

1000M Ethernet interface, adaptive and master-slave compatible

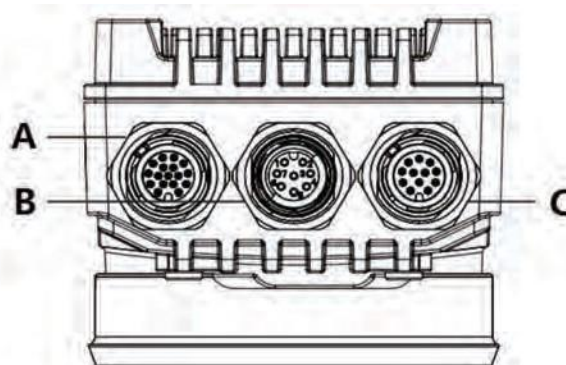
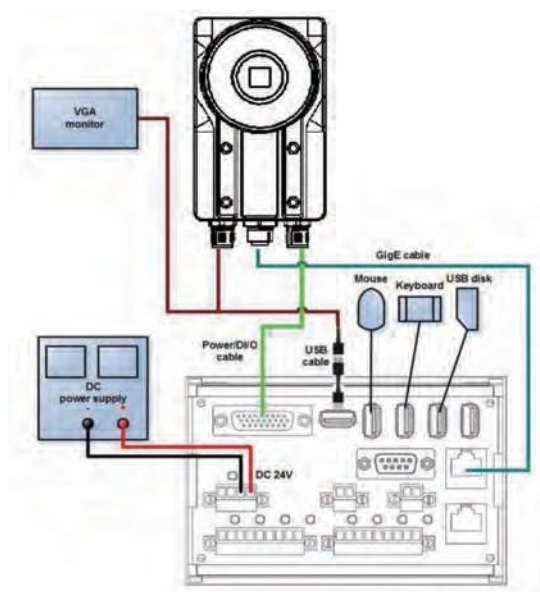
1 RS232

1 USB3.0

A	Power/I/O/UAR T
B	Ethemet
C	VGA/USB

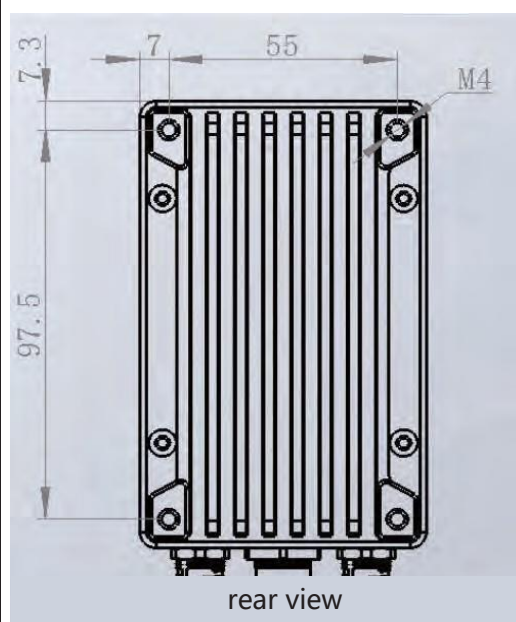
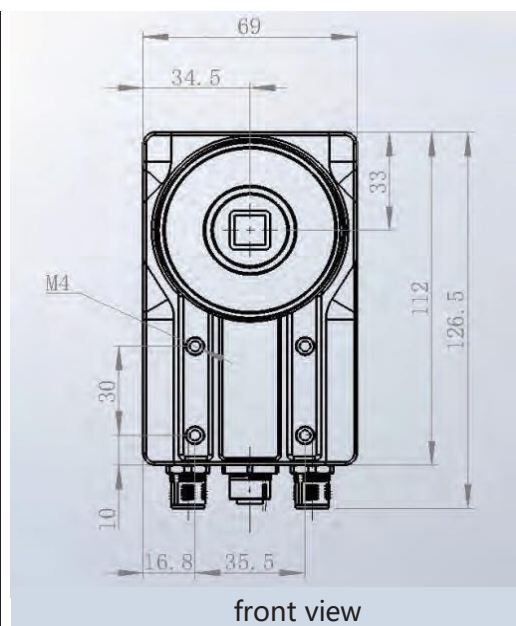
Hardware connection
sketch

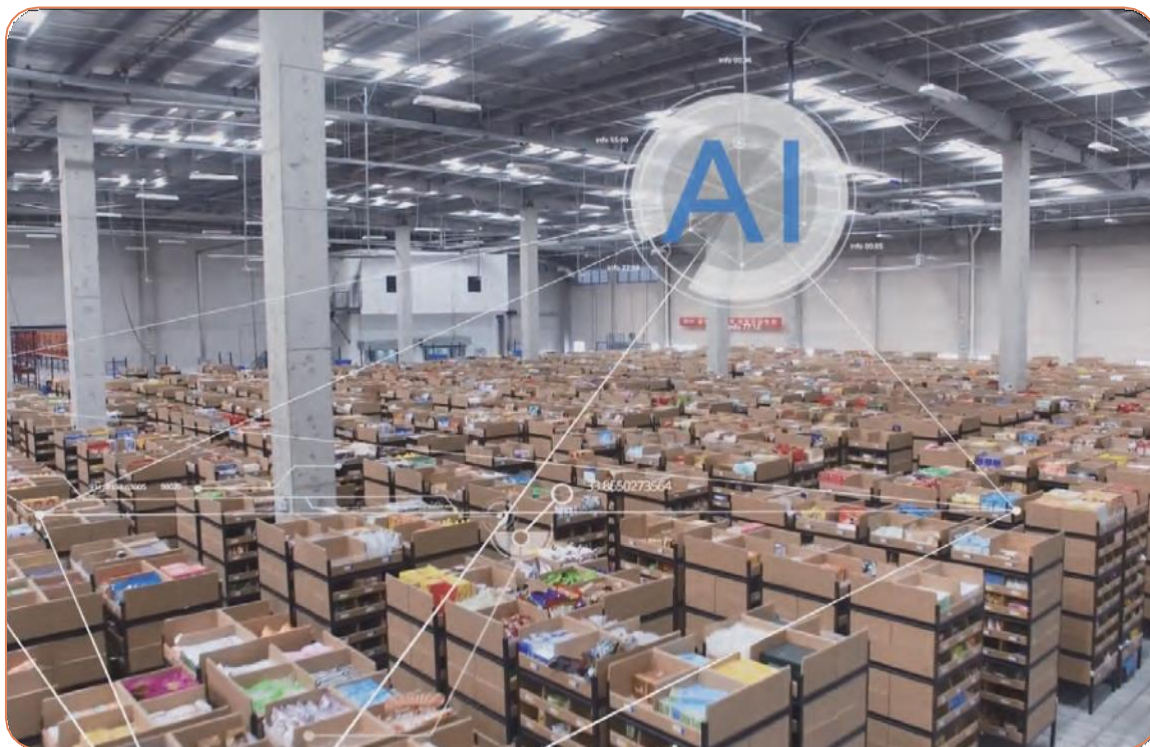
camera interface description



ICW8 Series Parameters NEW

Intelligent Product Specification	
image sensor	2/3-inch
sensitive chip	IMX264
distinguishability	2448x2048
scanning method	Progressive full frame scanning with global shutter
frame processing rate	35 frame/S
A/D	12bit ADC conversion
processor	1.9GHzspeed four core ATOM platform
RAM	2G DDR3
harddisk	40GB
network communication	1000MEthernet interface, adaptive and master-slave compatible
serial communication	1 RS-232 (only TX and RX)
USB	1 USB 3.0
I/O	10Opto-isolated trigger input, 4 TTL level input, 4 sink type output
power consumption	12W
lens mount	C-Mount
lens angle	20°
dimensions	62.5mmx69mmx125.5mm
operating temperature	-20°C ~ 65°C
certified	Anti-lightning, anti-radiation, anti-static, and external radiation conforms to standards
program	Program in the Camera supports Halcon/Labview algorithm, PC program can be transferred to operate perfectly on the platform
operating voltage	AC220V
number of light sources	48
peak power	240W
light source type	5W CREE chip
luminous flux	≧10000LM
beam anle	30°





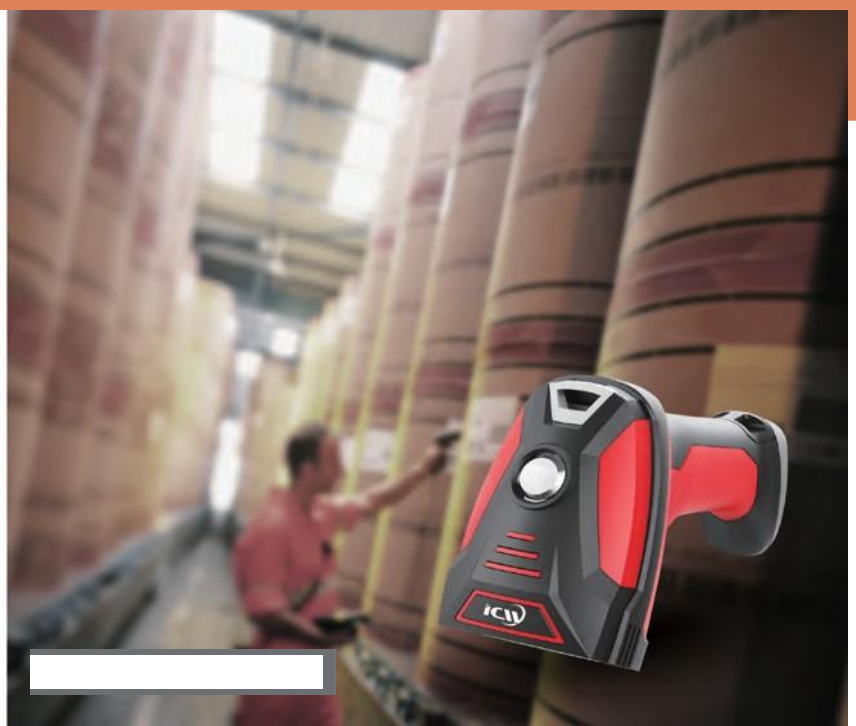
High performance static code reading based on embedded system

- 6 core MCU
- Linux operating system
- Omnivision 500 megapixel shutter sensor
- Wide viewing range, covering an area of 20cm X 20cm completely , and decoding smoothly no matter where the barcode is located within the viewing range
- Long depth of field. With DOF longer than 50 cm, express box codes of 10cm, 20cm and 30cm height can be

ICW9 Series

Property Superiority:

- Read low-contrast 2D codes on substrates such as metal plates, castings, plastics and electronic components.
- The circular optical field of view is optimized to read linear barcodes and 2D codes, including challenging markings such as pneumatic marking and laser/chemical etching which are created by direct part marking (DPM) methods.
- The built-in diffuser provides the indirect light captured at



Shanghai Shijie 81xx-DPM series of handheld 2D image scanning devices owns the most advanced decoding algorithms and novel bright field lighting in the world.

The first generation of DPM industrial scanner 8100 developed by Shanghai Shijie, which broke the monopoly of foreign brands in this field, achieved the identification of laser etched QR codes and lattice code and filled the gap of highly difficult barcodes distinguishing in area of auto parts and mobile&computer accessories at home. It is the first domestic brand in China which massively serves for manufacturing industries.

Universal Version :

Easily read and print barcodes which is of poor quality or worn out. It is a highly efficient and cost effective product.

HD Version :

M60/M80 Series

Development of fields like Logistics Express, Retail E-commerce, Pharmacy Automation, Warehouse Management in Manufacturing and Internet+ have driven the rapid update and iteration of all walks of life. Warehouse management is faced with a fast-paced and harsh environment. In order to maximize its efficiency and profit, warehouse management needs to be increasingly intelligent to efficiently match up with the rapid development of enterprises.

Scanning platform series and scanner gun series developed by Shanghai Shijie at the moment

- Quickly and accurately read all kinds of codes on storage items;



- Durable industrial class design
- High property 2D reader head
- High-capacity battery and low power consumption design
- Medical Treatment Version - reliable material



- 4" Corning Gorilla Panel Glass
- 4core 1.3G Hz CPU, LPDDR3 High Performance Memory
- Enterprise WLAN roaming
- IP65

- 1.8 m concrete drop test

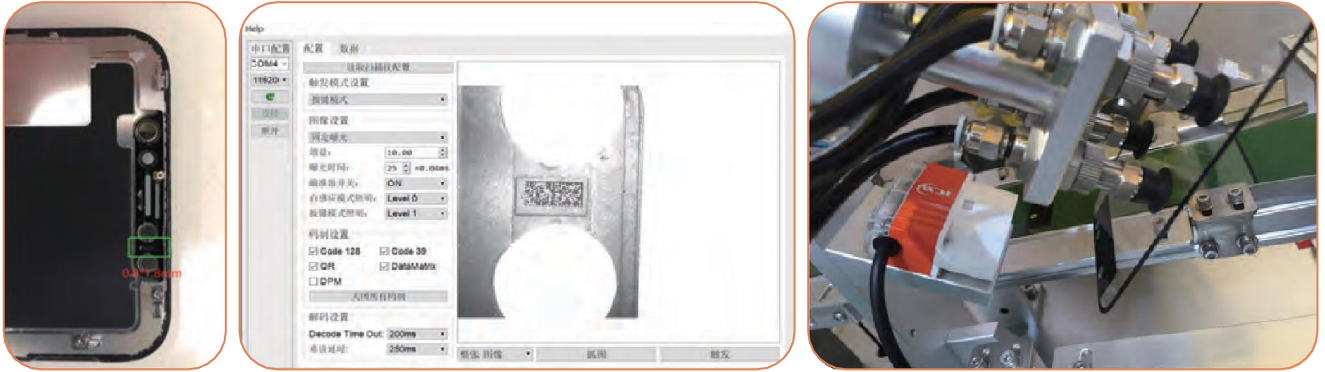
- PPT walkie-talkie function does not depend on any network
- 5100 mAh high density poly lithium battery, long operating time

- Focus on mobile code scanning performance a2D scanning engine



3C Industry

iPhone X 手机屏幕微型DM码识别方案

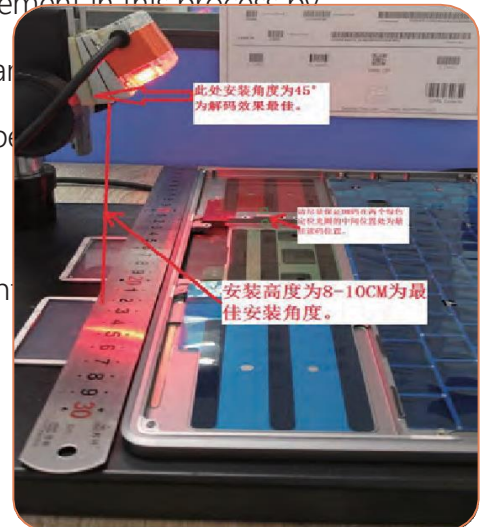


This case is distinguishing the DM code on the screen of iPhone X mobile phone on the client's production line to provide convenient data support for the process of intelligent sorting, data input, quality control of process flow and material traceability.

The DM code on the iPhone X mobile phone screen is between two copper plates with its size as 0.9mm*0.9mm, the field of view of 20mm*20mm, the scanning distance of 30mm, and the digits of stored information data in each QR code is more than 20.

Previously the client read the QR code information on the glass panel by microscopic magnification which is of low efficiency.

Shijie Intelligence was invited to make automation improvement in this process by



Auto Industry

Workpiece DPM Distinguishing Solution

As the most common coding form in the auto industry, Direct Part Marking (DPM) is a process for permanently parts marking with no need of labeling or packaging.

That the DPM code reading system of Shijie Intelligence is highly stable in reading with a compact body structure makes it perfectly meet the demand of high-precision, limited space and diverse

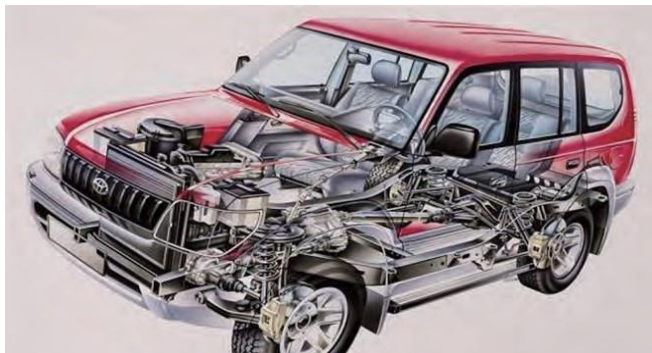
code reading requirements in the automotive industry.

Since the contrast ratio between the bright and dark areas of the DPM code is very low, Shijie intelligence provides the customized ICW73 series

This case was making the quality tracking and data management after

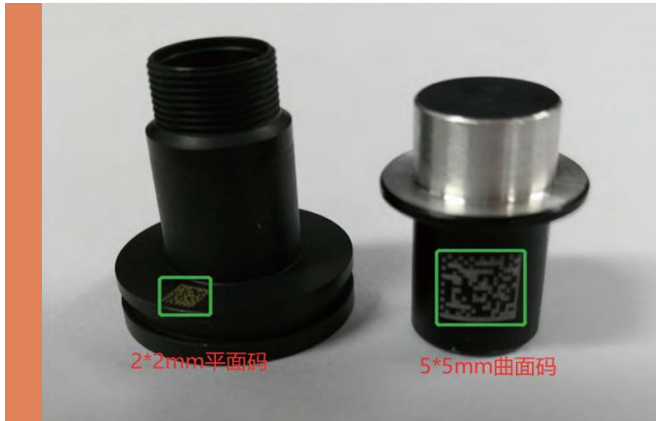
commissioning on site, the ICW73 series control follow-up by reading DPM code successfully replaced the high-cost imported code (10mm*10mm) on the gearbox of a well-

known enterprise.



Auto Industry

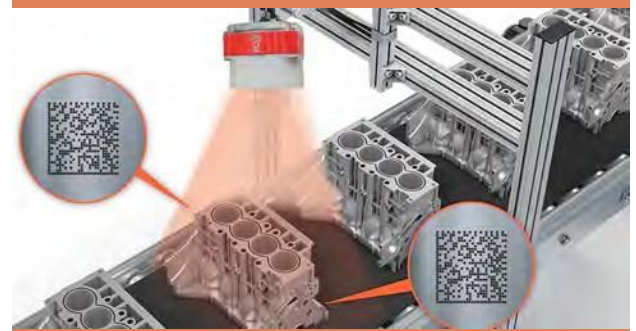
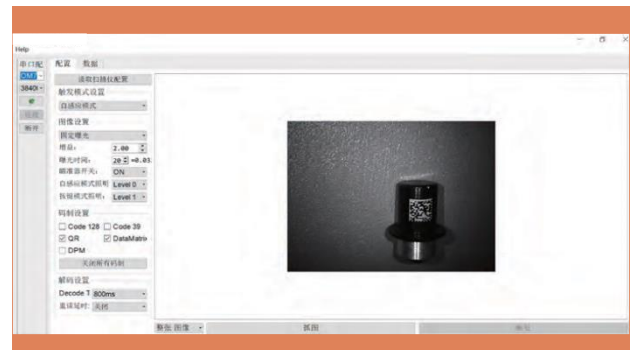
Vehicle Parts for DMC Solution



■ This case is the process of sorting the automotive rear-view mirror parts in the client's assembly line area;

■ The client's vehicle optical lens are supplied for the luxury vehicle fields such as Mercedes-Benz, BMW, Audi, Lexus, etc;

■ Before the feeding, the robot takes the parts and then sends it to the code reading area. The code reader distinguishes whether the information on the parts is complete. If the parts meets the requirements, it will be placed in the OK according to the instructions by the robot arm, and placed in the NG area if not. The parts then flows to other processing stations. The curvature of the surface is $5^{\circ} \sim 30^{\circ}$, the field of view is 30*30mm, and the scanning distance is 80mm.



■ That the client applies the fixed code reader

produced by Shijie Intelligence to the automation equipment reduces the human identification error rate and replaces the workload of 6 labor of 24-hour. It greatly improves the efficiency of the production line with the error rate close to zero.

■ This system could be applied to intelligent sorting, quality control management, material traceability, etc.

■ This case features the ability of Shijie Intelligence's fixed code reader in distinguishing codes on curved surface.

Product Introduction of the Intelligent Production

■ Providing unmanned warehouse supporting for a big logistics company in this case.

■ Drawbacks exists in the traditional logistics methods as the code distinguishing error rate is high and the bubble counting efficiency fluctuates greatly. In the meantime the labor cost continues to rise.

The code reader tailored for the logistics field by Shijie Intelligence effectively solves the above problems and helps to build the intelligent logistics production



- Customer tailored scanning distance and
- angle.

Distinguishing accuracy reaches up to 99.99% and weighing platform accuracy to $\pm 0.01\text{Kg}$. Real-time distinguishing. Automatically associated information of Barcode, weight, time, etc. Black and white / color picturing. Automatically capture of complete express sheets and long-term preservation.

Suitable for the unloading and warehouse entry process of sorting station in medium and large-scale logistics companies. 60% labor reduction in every station if equaling the workload of weighing



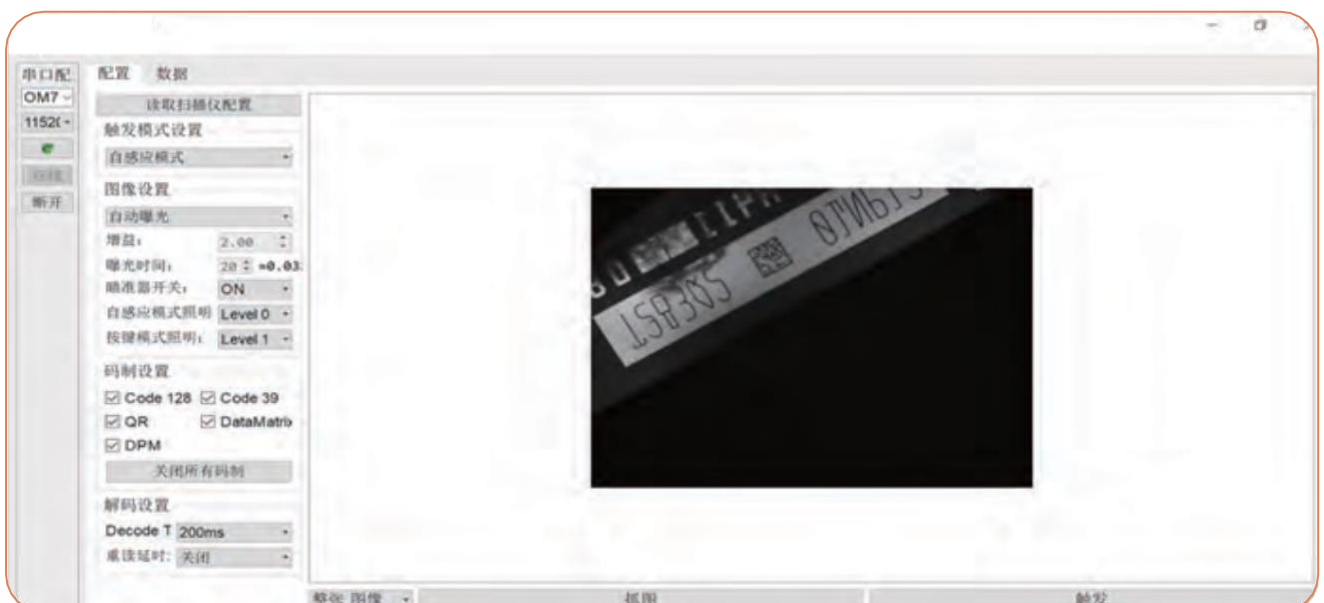
LCD Industry

Vericode Code Distinguishing on LCD Screen in LCD Industry



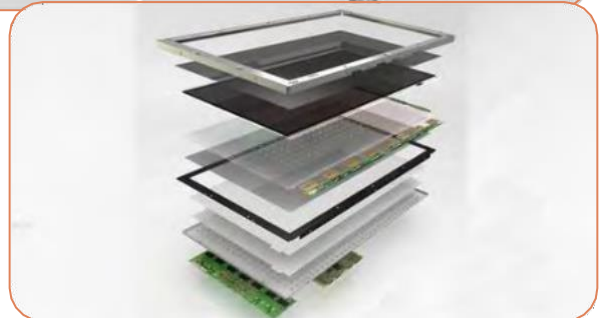
- Distinguishing Vericode codes on LCD screens of different thicknesses and sizes in the LCD industry.

■ The Vericode code appears randomly on the front or back of the LCD screen and is transparent which requires extreme high lighting technology and stability. The code size is less than 1mm×1mm, so the



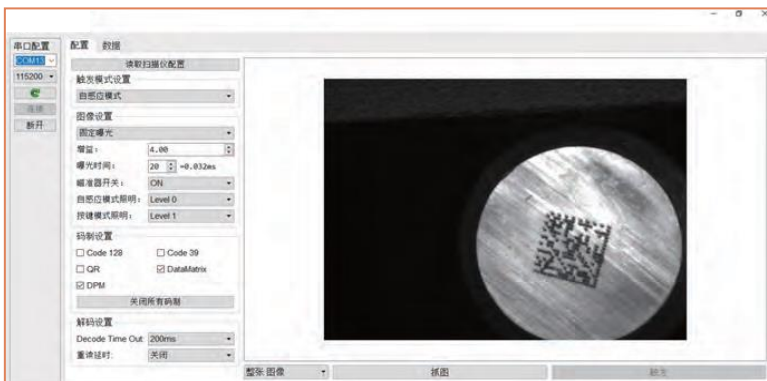
- Very few Vericode distinguishing supporting readers at the market at present. Little choice in brand and model selection. Extreme low distinguishing rate.

■ The customized ICW73 series of fixed code reader (viewing field at 20mm*20mm, distinguishing distance at 20mm), developed by Shijie Intelligence carries itself with Vericode code library and is needless of trans-coding. It is easy to commissioning and use. Shijie Intelligence provides the industry with best Vericode code algorithm which is able to handle a variety of codes with low-quality



In this case, 2D code on the end face/arc surface with slight oil pollution is read in the harsh environment in large-scale finishing processing company. Feasibility of cutting tool management system on the machining site is ensured.

The cutting tool DPM code is 1.2mm*1.2mm~2.5mm*2.5mm with its field of



By encoding each cutting tool, life-cycle management of cutting tools from procurement, using, maintenance to scrap is achieved. And the cost is reduced through accurate using time accounting and life-cycle improvement.

This case features the ability of Smart Fixed Code Reader ICW72 series developed by Shijie Intelligence in reading micro-miniature DPM codes in harsh



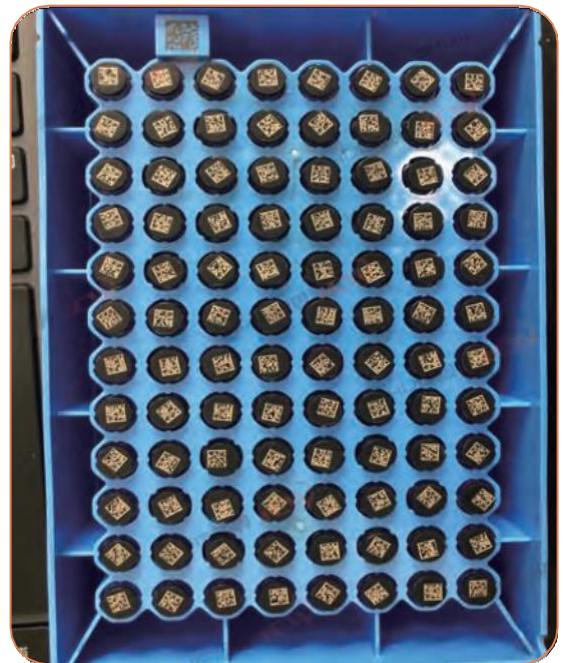
Pharmaceutical Industry



■ This is a typical case in pharmaceutical industry. The drug electronic monitoring code is the identification code on the drug packaging with its four main functions of real-time monitoring and retrospect, recall, information warning and terminal mobile enforcement. Using of the drug electronic monitoring code greatly

■ Product data association is achieved by marking and code embedment. The parts runs automatically on the assembly line while the code reader reads automatically according to the beat time and accurately distinguishes the 2D code on the product. Then the information is uploaded to achieve data retrospect and management.

The fixed code reader ICW72 series by Shijie Intelligence has won the clients' trust with its stability, quickness and efficiency. It is successfully applied by the clients to realize



New Energy Industry



■ The solution is provided for one of the best companies in the new energy lithium battery industry.

■ Each battery is scanned in the assembly line to input ID information and flows to the next process.

■ The battery finally enters to the batch packaging process after each process is completed..

Each packing tray is continued to be scanned and recorded in the batch packaging process and is grabbed by the mechanical arm for packaging.

■ The DM curved surface code on the battery shell is large in number with its size as 3mm*3mm, the field of view as 20mm*20mm, and the code scanning distance as 50mm.

The fixed code reader ICW72 series supplied by Shanghai Shijie has won high recognition from its client. It successfully solved the problem of huge data collection and control for clients, greatly improving the effectiveness of tracing



认证



ISO14001 Certificate
Certificate



ISO9001 Certificate



Intellectual Property Management System Certification Certificate



CE Certificate
Certificate



RoHS Certificate



FCC Certificate



Explosion-proof equipment qualification certificate



Invention Patents-27
Copyright



Utility Model Patents-10



Design Patents-13

Soft

Cooperative Partners

FOXCONN The Art of Made	GoerTek 歌尔	亨通光电	wistron Innovation · Integrity 创新 · 诚信	中国邮政 CHINA POST
ASUS	SAIC 上汽集团 SAIC MOTOR	GREE 格力	lenovo 联想	LUXSHARE ICT
TCL 创意感动生活 The Creative Life	美的 Midea	Chicony	LITEON 光宝通信	MITSUBISHI ELECTRIC
华智融 NEWPOS	China unicom 中国联通	ASKEY	SZST 证通电子	JD.COM 京东
Verifone 惠尔丰	Arima	Aisino	京东方 BOE	CASHWAY 恒银金融
支付宝 ALIPAY	Sinopec	PAX Your Payment Partner of Choice	仁寶電腦	舜宇光电

National Service Centers



Hefei-service
center

Shenzhen-SC branch office/Service

Product Naming Instructions

ICW71 L-51 NA

Focal length choice

A——red fixed focal length 5mm B——red fixed focal length 10mm C——red fixed focal length 20mm D——blue fixed focal length 5mm E——blue fixed focal length 10mm F——blue fixed focal length 20mm G——White fixed focal length 5mm H——White fixed focal length 10mm

IPgrade

S——IP54
N——

Light source

0——none
1——Standard light source (2LED)
2——Medium light source (8LED)
3——Large light source (16LED)

Interface

includes
5——RS232
6——USB
7—— Bus interface

Property Classification

L——read fixed 1D / 2D code
Q——read fast moving parts 1D / 2D code with high-performance
X——read challenging 1D / 2D codes, including

Model Series

71——30 megapixel standard
72——60megapixel standard

73——customer tailored
74——new30 megapixel standard

75——new100megapixel standard
76——200megapixel standard

Cat ego ry	seri es	Model& keywor ds	Description
fixe d cod e rea der	ICW 71 serie s	ICW71L-51SX	30megapixel,read fixed 1D\2D code,RS232interface, standard light source, IP54, focal length 10cm
		ICW71Q-51SX	30megapixel,read fast moving 1D\2D code with high performance,RS232interface, standard light source, IP54, focal length 10cm
		ICW71X-51SX	30megapixel,read challenging 1D/2D code, including DPM,RS232interface, standard light source, IP54, focal length 10cm
		ICW71L-52SX	30megapixel,read fixed 1D\2D code,RS232interface, medium light source, IP54, focal length 10cm
		ICW71Q-52SX	30megapixel,read fast moving 1D\2D code with high performance,RS23interface, medium light source, IP54, focal length 10cm
		ICW71X-52SX	30megapixel,read challenging 1D/2D code, including DPM,RS232interface, medium light source, IP54, focal length 10cm
		ICW71L-53SX	30megapixel,read fixed 1D\2D code,RS232interface, huge light source, IP54, focal length 10cm
		ICW71Q-53SX	30megapixel,read fast moving 1D\2D code with high performance,RS232interface, huge light source, IP54, focal length 10cm
		ICW71X-53SX	30megapixel,read challenging 1D/2D code, including DPM,RS232interface, huge light source, IP54, focal length 10cm
		ICW71L-54SX	30megapixel,read fixed 1D\2D code,RS232interface, ring light source, IP54, focal length 10cm
		ICW71Q-54SX	30megapixel,read fast moving 1D\2D code with high performance,RS232interface, ring light source, IP54, focal length 10cm
		ICW71X-54SX	30megapixel,read challenging 1D/2D code, including DPM,RS232interface, ring light source, IP54, focal length 10cm
		ICW71L-61SX	30megapixel,read fixed 1D\2D code,USB interface, standard light source, IP54, focal length10cm
		ICW71Q-61SX	30megapixel,read fast moving 1D\2D code with high performance,USB interface, standard light source, IP54, focal length 10cm
		ICW71X-61SX	30megapixel,read challenging 1D/2D code, including DPM,USB interface, standard light source, IP54, focal length 10cm
		ICW71L-62SX	30megapixel,read fixed 1D\2D code,USB interface, medium light source, IP54focal length 10cm
		ICW71Q-62SX	30megapixel,read fast moving 1D\2D code with high performance,USB interface, medium light source, IP54, focal length 10cm
		ICW71X-62SX	30megapixel,read challenging 1D/2D code, including DPM,USB接口, 中型光源, USB interface, medium light source, IP54, focal length 10cm
		ICW71L-63SX	30megapixel,read fixed 1D\2D code,USB interface, huge light source, IP54, focal length 10cm
		ICW71Q-63SX	30megapixel,read fast moving 1D\2D code with high performance,USB interface, huge light source, IP54, focal length 10cm
		ICW71X-63SX	30megapixel,read challenging 1D/2D code, including DPM,USB interface, huge light source, IP54, focal length 10cm
		ICW71L-64SX	30megapixel,read fixed 1D\2D code,USB interface, ring light source, IP54, focal length 10cm
		ICW71Q-64SX	30megapixel,read fast moving 1D\2D code with high performance,USB interface, ring light source, IP54, focal length 10cm
		ICW71X-64SX	30megapixel,read challenging 1D/2D code, including DPM,USB interface, ring light source, IP54, focal length 10cm
		ICW71L-81SX	30megapixel,read fixed 1D\2D code,Ethernet interface,standard light source,IP54, focal length 10cm
		ICW71Q-81SX	30megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,standard light source,IP54, focal length 10cm
		ICW71X-81SX	30megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,standard light source, IP54, focal length 10cm

ICW71L-82SX	30megapixel, read fixed 1D\2D code, Ethernet interface, medium light source, IP54, focal length 10cm
ICW71Q-82SX	30megapixel, read fast moving 1D\2D code with high performance, Ethernet interface, medium light source, IP54, focal length 10cm
ICW71X-82SX	30megapixel, read challenging 1D/2D code, including DPM, Ethernet interface, medium light source, IP54, focal length 10cm
ICW71L-83SX	30megapixel, read fixed 1D\2D code, Ethernet interface, huge light source, IP54, focal length 10cm
ICW71Q-83SX	30megapixel, read fast moving 1D\2D code with high performance, Ethernet interface, huge light source, IP54, focal length 10cm
ICW71X-83SX	30challenging 1D/2D code, including DPM, Ethernet interface, huge light source, IP54, focal length 10cm
ICW71L-84SX	30megapixel, read fixed 1D\2D code, Ethernet interface, ring light source, IP54, focal length 10cm
ICW71Q-84SX	30megapixel, read fast moving 1D\2D code with high performance, Ethernet interface, ring medium light source, IP54, focal length 10cm
ICW71X-84SX	30megapixel, read challenging 1D/2D code, including DPM, Ethernet interface, ring light source, IP54, focal length 10cm

ICW72 Series

Cat ego ry	seri es	Model& keywor ds	Description
ICW 72 Series	ICW	ICW72L-51SX	60megapixel,read fixed 1D\2D code,RS232interface,standard light source,IP54, focal length 10cm
		ICW72Q-51SX	60 megapixel,read fast moving 1D\2D code with high performance,RS232interface,standard light source,IP54, focal length 10cm
		ICW72X-51SX	60megapixel,read challenging 1D/2D code, including DPM,RS232interface,standard light source,IP54, focal length 10cmm
		ICW72L-52SX	60megapixel,read fixed 1D\2D code,RS232interface,medium light source,IP54, focal length 10cm
		ICW72Q-52SX	60 megapixel,read fast moving 1D\2D code with high performance,RS232interface,medium light source,IP54, focal length 10cm
		ICW72X-52SX	60megapixel,read challenging 1D/2D code, including DPM,RS232interface,medium light source,IP54, focal length 10cm
		ICW72L-53SX	60megapixel,read fixed 1D\2D code,RS232interface,huge light source,IP54, focal length 10cm
		ICW72Q-53SX	60 megapixel,read fast moving 1D\2D code with high performance,RS232interface,huge light source,IP54, focal length 10cm
		ICW72X-53SX	60megapixel,read challenging 1D/2D code, including DPM,RS232interface,huge light source,IP54, focal length 10cm
		ICW72L-54SX	60megapixel,read fixed 1D\2D code,RS232 interface,ring light source,IP54, focal length 10cm
		ICW72Q-54SX	60 megapixel,read fast moving 1D\2D code with high performance,RS232interface,ring light source,IP54, focal length 10cm
		ICW72X-54SX	60megapixel,read challenging 1D/2D code, including DPM,RS232interface,ring light source,IP54, focal length 10cm
		ICW72L-61SX	60megapixel,read fixed 1D\2D code,USB interface,standard light source,IP54, focal length 10cm
		ICW72Q-61SX	60 megapixel,read fast moving 1D\2D code with high performance,USB interface,standard light source,IP54, focal length 10cm
		ICW72X-61SX	60megapixel,read challenging 1D/2D code, including DPM,USB interface,standard light source,IP54, focal length 10cm
		ICW72L-62SX	60megapixel,read fixed 1D\2D code,USB interface,medium light source,IP54, focal length 10cm
	72	ICW72Q-62SX	60 megapixel,read fast moving 1D\2D code with high performance,USB interface,medium light source,IP54, focal length 10cm
		ICW72X-62SX	60megapixel,read challenging 1D/2D code, including DPM,USBUSB interface,medium light source,IP54, focal length 10cm
		ICW72L-63SX	60megapixel,read fixed 1D\2D code,USB interface,huge light source,IP54, focal length 10cm
		ICW72Q-63SX	60 megapixel,read fast moving 1D\2D code with high performance,USB interface,huge light source,IP54, focal length 10cm
		ICW72X-63SX	60megapixel,read challenging 1D/2D code, including DPM,USB interface,huge light source,IP54, focal length 10cm
		ICW72L-64SX	60megapixel,read fixed 1D\2D code,USB interface,ring light source,IP54, focal length 10cm
		ICW72Q-64SX	60 megapixel,read fast moving 1D\2D code with high performance,DPM,USB interface,ring light source,IP54, focal length 10cm
		ICW72X-64SX	60megapixel,read challenging 1D/2D code, including DPM,USB interface,ring light source,IP54, focal length 10cm
		ICW72L-81SX	60megapixel,read fixed 1D\2D code,Ethernet interface,standard light source,IP54, focal length 10cm
		ICW72Q-81SX	60 megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,standard light source,IP54, focal length 10cm
		ICW72X-81SX	60megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,standard light source,IP54, focal length 10cm

ICW72L-82SX	60megapixel,read fixed 1D\2D code,Ethernet interface,medium light source,IP54, focal length 10cm
ICW72Q-82SX	60 megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,medium light source,IP54, focal length 10cm
ICW72X-82SX	60megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,medium light source,IP54, focal length 10cm
ICW72L-83SX	60megapixel,read fixed 1D\2D code,Ethernet interface,huge light source,IP54, focal length 10cm
ICW72Q-83SX	60 megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,huge light source,IP54, focal length 10cm
ICW72X-83SX	60megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,huge light source,IP54, focal length 10cm
ICW72L-84SX	60megapixel,read fixed 1D\2D code,Ethernet interface,huge light source,IP54, focal length 10cm
ICW72Q-84SX	60 megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,huge light source,IP54, focal length 10cm
ICW72X-84SX	60megapixel,read challenging 1D/2D code, including DPM,,Ethernet interface,ring light source,IP54, focal length 10cm

Cat ego ry	seri es	Model& keywor ds	Description
		ICW74L-51NX	30megapixel,read fixed 1D\2D code,RS232 interface,standard light source,IP65, focal length 10cm
		ICW74Q-51NX	30 megapixel,read fast moving 1D\2D code with high performance,RS232 interface,standard light source,IP65, focal length 10cm
		ICW74X-51NX	30megapixel,read challenging 1D/2D code, including DPM,,RS232interface,standard light source,IP65, focal length 10cm
		ICW74L-52NX	30megapixel,read fixed 1D\2D code,RS232interface,medium light source,IP65, focal length 10cm
		ICW74Q-52NX	30 megapixel,read fast moving 1D\2D code with high performance,RS232interface,standard light source,IP65, focal length 10cm
		ICW74X-52NX	30megapixel,read challenging 1D/2D code, including DPM,RS232interface,standard light source,IP65, focal length 10cm
		ICW74L-53NX	30megapixel,read fixed 1D\2D code,RS232interface,huge light source,IP65, focal length 10cm
		ICW74Q-53NX	30 megapixel,read fast moving 1D\2D code with high performance,RS232interface,huge light source,IP65, focal length 10cm
		ICW74X-53NX	30megapixel,read challenging 1D/2D code, including DPM,RS232interface,huge light source,IP65, focal length 10cm
		ICW74L-54NX	30megapixel,read fixed 1D\2D code,RS232interface,ring light source,IP65, focal length 10cm
		ICW74Q-54NX	30 megapixel,read fast moving 1D\2D code with high performance,RS232interface,ring light source,IP65, focal length 10cm
		ICW74X-54NX	30megapixel,read challenging 1D/2D code, including DPM,,RS232interface,ring light source,IP65, focal length 10cm
		ICW74L-61NX	30megapixel,read fixed 1D\2D code,USB interface,standard light source,IP65, focal length 10cm
		ICW74Q-61NX	30 megapixel,read fast moving 1D\2D code with high performance,USB interface,standard light source,IP65, focal length 10cm
		ICW74X-61NX	30megapixel,read challenging 1D/2D code, including DPM,USB interface,standard light source,IP65, focal length 10cm
		ICW74L-62NX	30megapixel,read fixed 1D\2D code,USB interface,medium light source,IP65, focal length 10cm
		ICW74Q-62NX	30 megapixel,read fast moving 1D\2D code with high performance,USB interface,standard light source,IP65, focal length 10cm
		ICW74X-62NX	30megapixel,read challenging 1D/2D code, including DPM,USB interface,medium light source,IP65, focal length 10cm
		ICW74L-63NX	30megapixel,read fixed 1D\2D code,USB interface,huge light source,IP65, focal length 10cm
		ICW74Q-63NX	30 megapixel,read fast moving 1D\2D code with high performance,USB interface,huge light source,IP65, focal length 10cm
		ICW74X-63NX	30megapixel,read challenging 1D/2D code, including DPM,USB interface,huge light source,IP65, focal length 10cm
		ICW74L-64NX	30megapixel,read fixed 1D\2D code,USB interface,ring light source,IP65, focal length 10cm
		ICW74Q-64NX	30 megapixel,read fast moving 1D\2D code with high performance,USB interface,ring light source,IP65, focal length 10cm
		ICW74X-64NX	30megapixel,read challenging 1D/2D code, including DPM,USB interface,ring light source,IP65, focal length 10cm
		ICW74L-81NX	30megapixel,read fixed 1D\2D code,Ethernet interface,standard light source,IP65, focal length 10cm
		ICW74Q-81NX	30megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,standard light source,IP65, focal length 10cm
		ICW74X-81NX	30megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,standard light source,IP65, focal length 10cm






ICW74L-82NX	30megapixel,read fixed 1D\2D code,Ethernet interface,medium light source,IP65, focal length 10cm
ICW74Q-82NX	30 megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,medium light source,IP65, focal length 10cm
ICW74X-82NX	30megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,medium light source,IP65, focal length 10cm
ICW74L-83NX	30megapixel,read fixed 1D\2D code,Ethernet interface,huge light source,IP65, focal length 10cm
ICW74Q-83NX	30 megapixel,read fast moving 1D\2D code with high performance,,Ethernet interface,huge light source,IP65, focal length 10cmm
ICW74X-83NX	30megapixel,read challenging 1D/2D code, including DPM,,Ethernet interface,huge light source,IP65, focal length 10cm
ICW74L-84NX	30megapixel,read fixed 1D\2D code,Ethernet interface,ring light source,IP65, focal length 10cm
ICW74Q-84NX	30 megapixel,read fast moving 1D\2D code with high performance,Ethernet interface,ring light source,IP65, focal length 10cm
ICW74X-84NX	30megapixel,read challenging 1D/2D code, including DPM,Ethernet interface,ring light source,IP65, focal length 10cm
ICW74V-51NX	30megapixel,read Vericode professionally,RS232interface,ring standard source,IP65, focal length 10cm
ICW74V-52NX	30megapixel,read Vericode professionally,RS232interface,medium light source,IP65, focal length 10cm
ICW74V-53NX	30megapixel,read Vericode professionally,RS232interface,huge light source,IP65, focal length 10cm
ICW74V-54NX	30megapixel,read Vericode professionally,RS232interface,ring light source,IP65, focal length 10cm
ICW74V-61NX	30megapixel,read Vericode professionally,USB interface,ring standard source,IP65, focal length 10cm
ICW74V-62NX	30megapixel,read Vericode professionally,USB interface,medium light source,IP65, focal length 10cm
ICW74V-63NX	30megapixel,read Vericode professionally,USB interface,huge light source,IP65, focal length 10cm
ICW74V-64NX	30megapixel,read Vericode professionally,USB interface,ring light source,IP65, focal length 10cm
ICW74V-81NX	30megapixel,read Vericode professionally,Ethernet interface,ring standard source,IP65, focal length 10cm
ICW74V-82NX	30megapixel,read Vericode professionally,, Ethernet interface,medium light source,IP65, focal length 10cm
ICW74V-83NX	30megapixel,read Vericode professionally,Ethernet interface,huge light source,IP65, focal length 10cm
ICW74V-84NX	30megapixel,read Vericode professionally,Ethernet interface,ring light source,IP65, focal length 10cm

ICW75 Series

Cat ego ry	seri es	Model& keywor ds	Description
ICW 			

		light source, IP65, focal length 10cm
ICW75L-82NX		100megapixel, read fixed 1D\2D code, Ethernet interface, , medium light source, IP65, focal length 10cm
ICW75Q-82NX		100 megapixel, read fast moving 1D\2D code with high performance, Ethernet interface, , medium light source, IP65, focal length 10cm
ICW75X-82NX		100megapixel, read challenging 1D/2D code, including DPM, Ethernet interface, , medium light source, IP65, focal length 10cm
ICW75L-83NX		100megapixel, read fixed 1D\2D code, Ethernet interface, huge light source, IP65, focal length 10cm
ICW75Q-83NX		100 megapixel, read fast moving 1D\2D code with high performance, Ethernet interface, huge light source, IP65, focal length 10cm
ICW75X-83NX		100megapixel, read challenging 1D/2D code, including DPM, Ethernet interface, huge light source, IP65, focal length 10cm
ICW75L-84NX		100megapixel, read fixed 1D\2D code, Ethernet interface, ring light source, IP65, focal length 10cm
ICW75Q-84NX		100 megapixel, read fast moving 1D\2D code with high performance, Ethernet interface, ring light source, IP65, focal length 10cm
ICW75X-84NX		100megapixel, read challenging 1D/2D code, including DPM, Ethernet interface, ring light source, IP65, focal length 10cm
ICW75V-51NX		100megapixel, read Vericode professionally, RS232interface, standard light source, IP65, focal length 10cm
ICW75V-52NX		100megapixel, read Vericode professionally, RS232interface, , medium light source, IP65, focal length 10cm
ICW75V-53NX		100megapixel, read Vericode professionally, RS232interface, huge light source, IP65, focal length 10cm
ICW75V-54NX		100megapixel, read Vericode professionally, RS232interface, ring light source, IP65, focal length 10cm
ICW75V-61NX		100megapixel, read Vericode professionally, USB interface, standard light source, IP65, focal length 10cm
ICW75V-62NX		100megapixel, read Vericode professionally, USB interface, , medium light source, IP65, focal length 10cm
ICW75V-63NX		100megapixel, read Vericode professionally, USB interface, huge light source, IP65, focal length 10cm
ICW75V-64NX		100megapixel, read Vericode professionally, USB interface, ring light source, IP65, focal length 10cm
ICW75V-81NX		100megapixel, read Vericode professionally, Ethernet interface, standard light source, IP65, focal length 10cm
ICW75V-82NX		100megapixel, read Vericode professionally, Ethernet interface, , medium light source, IP65, focal length 10cm
ICW75V-83NX		100megapixel, read Vericode professionally, , Ethernet interface, huge light source, IP65, focal length 10cm
ICW75V-84NX		100megapixel, read Vericode professionally, Ethernet interface, ring light source, IP65, focal length 10cm

Accessories |

serial number	name	model	picture
ICW71/72series communication cable			
1	USB communication cable	ICWS- USB-1M	
2	USB communication cable (external trigger)	ICWS-USBIO-1M	
3	USB communication cable (external trigger, external power supply)	ICWS-USBIOP-1M	
4	RS232 communication cable (External power supply)	ICWS-RS232P-1M	
5	RS232communication cable (external trigger, external power supply)	ICWS-RS232IOP-1M	
6	Ethernet communication cable (External power supply)	ICWS-ENETP-1M	

Other ICW series communication cable			
9	Control Cable (power, IO, RS232)	ICWN-IOP-1M	
10	Basic IO module	ICWOP-IOBOX-01	
11	USB universal connection cable	ICWN- USB-1M	
12	Ethernet communication connection cable	ICWN-ENET-1M	
ICW other accessories			
13	Universal mounting support	ICWOP-UBRK-001	
14	Fixed mounting support	ICWOP-FMBK-01	
15	Rotating mounting support	ICWOP-PIVOTM-01	
16	Logistics support	ICWOP- LGSBKT-01	





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