PRODUCT GUIDE

Barcode Readers

Handheld | Fixed Mount | Logistics

THE LEADING ENTERPRISE IN CHINA

IN INDUSTRIAL BARCODE READING

HEROJE CO.,LTD is a comprehensive solution and service provider of graphic image recognition and data collection products in China. We have been focusing on industrial automation and logistics automation and other related fields. Specializing in R&D, production and sales of barcode readers, 3D measurement sensors, machine vision system and laser calibration system.

The founding team of HEROJE has been devoted to professional research of graphics and image recognition and analysis technology for more than a decade. Since the company operated independently from the parent company in 2014, we have been paying attention to and exploration of cutting-edge technologies in the global industry, while continuously promoting the domestic production of high-end graphics and image recognition products.

We have been delighted to witness the success of our customers and partners again and again, and they are also inspiring and promoting the growth of HEROJE. As an expert in graphic image recognition, we not only focus on the efficiency and reliability of data collection in the entire manufacturing and commodity circulation process, but also provide the most core data for enterprise traceability and quality control.

HEROJE has a young team with outstanding ability and vigor. They not only have in-depth and professional application knowledge, but also are full of determination and enthusiasm for progress and transformation. We will always adhere to the value concept of innovation-driven, caring service, honest cooperation, and achievement sharing. Through the deep insight and understanding of each customer's needs, in the process of advancing side by side with international counterparts, supplemented by localized strategies and services timely response to win the recognition and trust of more and more customers.

Looking to the future, the driving force for our continuous progress will still come from the success and affirmation of customers and partners.

Patented **Algorithms** , Over **2000+** success cases experience, **15+** years experience in industry, Powerful **R&D** team, Trusted by **150+** multinationals all over the world. **100%** Made in China, Obtained over **100+** Innovation Patents

PARTNERS

INDUSTRY APPLICATIONS

ELECTRONICS

- Component and PCB tracking
- Component assembly tracking
- Quality inspection
- Producing tacking

MEDICAL

- Sample tracking
- Equipment tracking
- Test process traceability
- Read and confirm bottle data

MANUFATURING

- Maching product and package
- Parts tracking
- Quality inspection
- Anti-counterfeiting
- Automotive parts tracking

LOGISTICS

- AGV navigation
- Parcel tracking
- Inbound and outbound tracking
- Airport baggage handing
- Carton number
- Parcel classification
- E-commerce fulfillment

FIXED-MOUNT BARCODE READERS

HEROJE advanced fixed-mount barcode readers feature innovative technologies and algorithms to increase productivity and efficiency for manufacturing and electronics industries.

HRX Series

The 6th generation reader. A reader features with Auto-focus and Auto-tune, ease to install and setup. Built-in patented multi-group lighting technology and advanced algorithms, deliver highest reading rate and optimal imaging formation for most challenging applications.
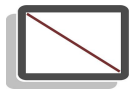
51.8mm
80mm
50mm

DECODE

90 code/sec

RESOLUTION

1.3 MP

INTERFACES

CERTIFIED **USB**   **RS232**

EtherNet/IP

FEATURES

Auto Focus	Laser Aiming	ModeC	Auto Parameters Setting	Multi-Group Lighting

SYMBOLOGIES

1D Code	2D Code	DPM Code	Multi Codes

Setup the appropriate lighting from direct light, polarized light, diffuse reflected light according to the application.

Sample (typical case)		Direct Lighting	Polarized Lighting	Diffuse Lighting
Casting Surface (dot peen)		BEST	ERROR	ERROR
Shiny Metal		ERROR	BEST	ERROR
Grain		ERROR	ERROR	BEST

TINY Series

The 6th generation reader. Powerful performance for applications of fast-moving 1D 2D codes reading and small-size DPM code readings. Manual-focus function can be adjusted to read codes at different distances according to the applications.

DECODE

43 code/sec

RESOLUTION

1.3 MP

INTERFACES

CERTIFIED USB   RS232
EtherNet/IP

FEATURES

M-FOCUS	ModeC	LIGHTING MULTI GROUP
Manual Focus	ModeC	Multi-Group Lighting

SYMBOLOGIES

1D Codes	2D Codes	DPM
1D Code	2D Code	DPM Code

39.6mm
54.8mm
24mm
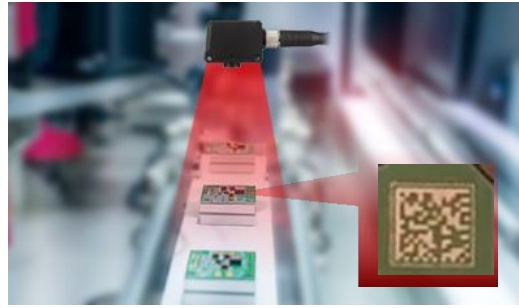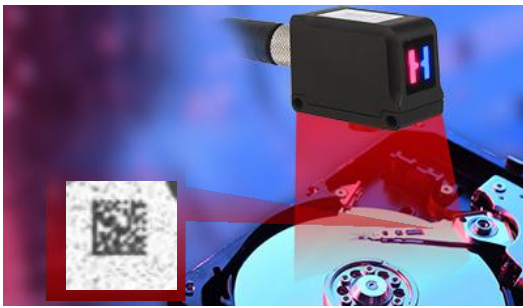
HM270 Series

The 6th generation reader. Provide the best performance on reading well-mark 1D 2D code, high density codes and general DPM codes for electronics industry. Integrated two group controllable direct lights (red, white), delivers optimal image formation for more different applications.

DECODE

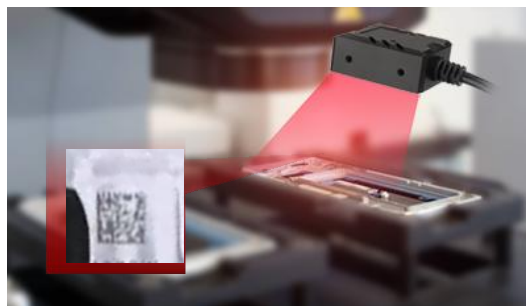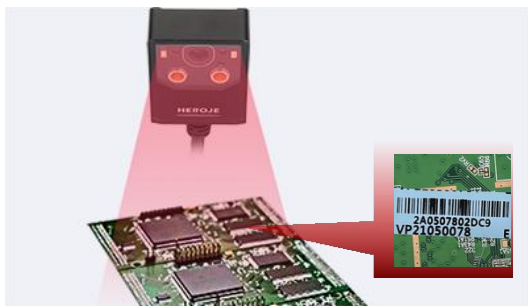35 code/sec

RESOLUTION

1.0 MP

INTERFACES

CERTIFIED USB   RS232
EtherNet/IP

FEATURES

ModeC	LIGHTING MULTI GROUP
ModeC	Multi-Group Lighting

SYMBOLOGIES

1D Codes	2D Codes	DPM
1D Code	2D Code	DPM Code

20mm
48.25mm
37.7mm

HANDHELD BARCODE READERS

HEROJE's series handheld barcode readers deliver powerful decode rate of 1D 2D DPM codes for any industry applications.

H296 Series

Delivers the best performance on reading challenging DPM codes on high-reflective surfaces and materials (metal, glass, resin, plastic).
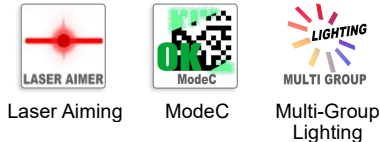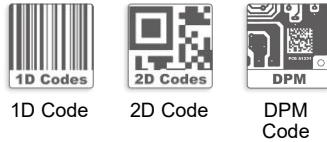
RESOLUTION

1.3 MP

INTERFACES

CERTIFIED USB   RS232

FEATURES

Laser Aiming	ModeC	Multi-Group Lighting

SYMBOLOGIES

1D Code	2D Code	DPM Code

Setup the appropriate lighting from direct light, diffuse reflected light according to the application.

Sample (typical case)		Direct Lighting White	Direct Lighting Red	Direct Lighting Blue	Diffuse Lighting
Casting Surface (dot peen)		BEST	ERROR	ERROR	ERROR
Battery Surface (low-contrast)		ERROR	BEST	ERROR	ERROR
Grain Surface (reflective)		ERROR	ERROR	BEST	ERROR
Gloss Surface (low-contrast)		ERROR	ERROR	ERROR	BEST

H29100 Series

Decodes well-marked DPM codes for any industry applications. Provides the best performance for small-size DPM codes.

RESOLUTION

1.0 MP

INTERFACES

CERTIFIED USB

RS232

FEATURES

ModeC

SYMBOLOGIES

1D Code

2D Code

DPM Code

H29W Series

Decodes well-marked DPM codes far away from the workplace. Provides the best performance for small-size DPM codes.

RESOLUTION

1.0 MP

INTERFACES

CERTIFIED USB

RS232

2.4GHz

FEATURES

ModeC

SYMBOLOGIES

1D Code

2D Code

DPM Code

HEROJE Logistics series barcode readers provide maximum efficiency and productivity for the logistics industry.

WL02 Series

A reader combines high intensity lighting and high sensitivity CMOS sensor, deliver uniformly lighting and wider field of view. With advanced algorithm software, provide ability of reading fast-moving 1D 2D codes on cartons up to 240 meters/min (4 meters/sec).

DECODE

4 meter/sec

RESOLUTION

12 MP

INTERFACES

EtherNet/IP

FEATURES

M-FOCUS
Manual Focus

SYMBOLOGIES

1D Codes
1D Code

2D Codes
2D Code

Multi-Code
Multi Codes

Codes can be stably read even if their positions are misaligned and at different heights.

	Conventional	WL02 Series
Short Distance	ERR — Out of focus, over-exposed	OK — In focus, not over-exposed
Medium Distance	OK	OK
Long Distance	ERR — Out of focus, under-exposed	OK — In focus, not under-exposed. Even fuzzy barcodes are stably read with patented algorithms.
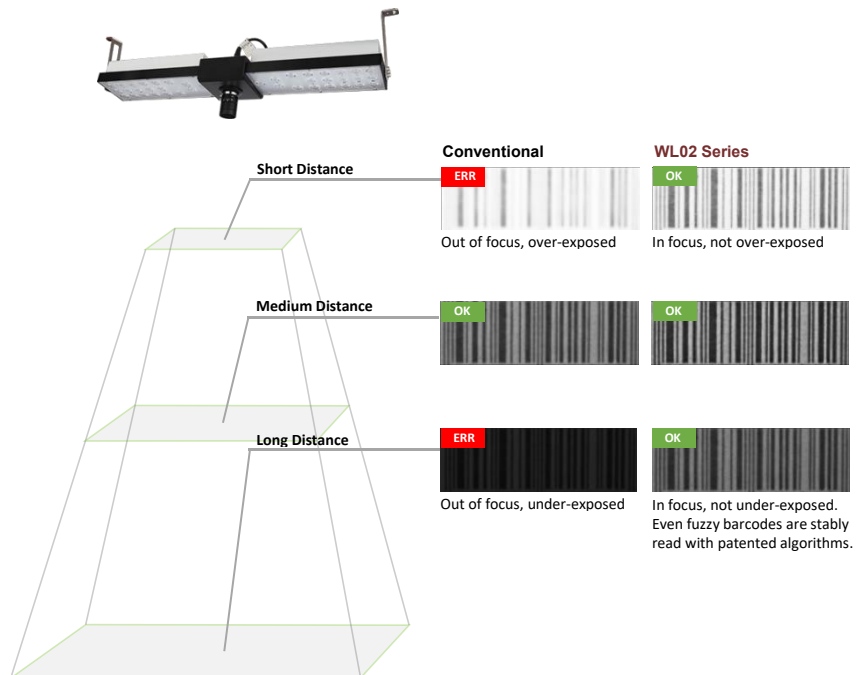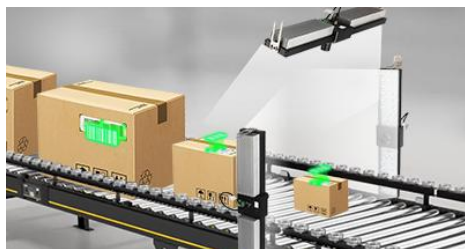
WL01 Series

Combines with advanced algorithm software, deliver high rate of reading fast-moving 1D 2D codes on parcels on maximum 120 meters/min (2 meter/sec) conveyor.

DECODE

2 meter/sec

RESOLUTION

12 MP

INTERFACES

EtherNet/IP

FEATURES

M-FOCUS
Manual Focus

SYMBOLOGIES

1D Codes	2D Codes	DPM	Multi-Code
1D Code	2D Code	DPM Code	Multi Codes

WL03 Series

A reader combines hardware and algorithms into one, helping free your hands to quickly read one or multi 1D 2D codes or DPM codes on a tray with its wider field of view during the inbound and outbound process.

RESOLUTION

8.5 MP

INTERFACES

EtherNet/IP

FEATURES

M-FOCUS
Manual Focus

SYMBOLOGIES

1D Codes	2D Codes	DPM	Multi-Code
1D Code	2D Code	DPM Code	Multi Codes

INQUIRY FORM

Fill in as many project details as possible so as to pair the suitable models for you more accurate.

Basic infomation of barcodes

1.Types of codes
(Data M.........)

2.Resolution

Narrow Bar Width   Cell Size
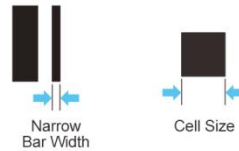
mm

3.Code size

mm

mm

4.Printig method

☐ Laser Marker

☐ Inkjet Printer

☐ Printig/Label

Installation conditions

5.Installation distance/Reading Distance
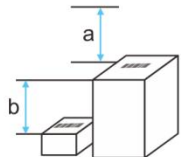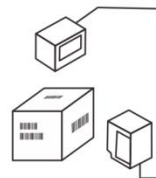
a   mm

b   mm

6.Reading field of view
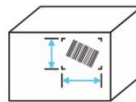
mm

mm

Read multiple barcodes

7.Number of codes for reading

8.Number of sides for reading

mm

Read moving barcode

9.Conveyor speed
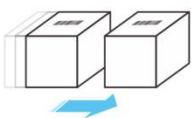
m/min

10.Target size
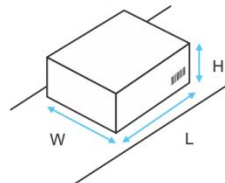
mm

11.Alignment
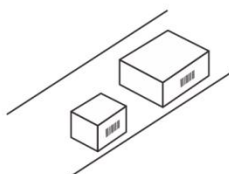
☐ YES

☐ NO

12.Distance between targets
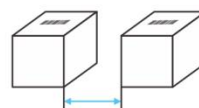
mm

13.Conveyor width
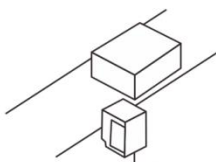
mm

14.Code color

☐ YES

☐ NO

HEROJE®