



**Handheld Code Reader**  
HR-100 Series



# LIGHTNING-FAST CODE READING



**WIRELESS  
MODELS**  
NOW  
AVAILABLE

# INCREASED EFFICIENCY



Handheld Code Reader  
**HR-100 Series**

## GLOBAL SUPPORT

KEYENCE provides support in North America, Japan, Europe, China and South East Asian countries.

Product support may not be available in some countries and regions. For details, consult your nearest KEYENCE sales office.



Communication Unit  
**HR-UC1**



## VARIOUS FEATURES INCREASE EASE-OF-USE

### Setup software **HR-H1WE**

You can configure the reader's settings by using a simple interface on your PC. In addition, by using the quick setup code function, you can configure the settings by simply reading a printed code.



### Wireless connection of multiple devices

Up to six code readers can be connected to a single Communication Unit. A separate desktop holder for charging each code reader is also available.



## EASY DETECTION

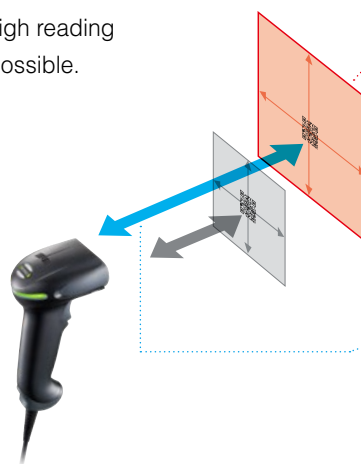
## INSTANT DECODING

# LARGER DETECTION AREA & FASTER READING SPEED

Thanks to a wide field of view and a large depth of field, a code can be easily captured with just the push of a button. Furthermore, high reading speeds - faster than the conventional handheld readers - is possible.

### Reading Capabilities

	HR-100 Series	SR-750 Series	SR-1000 Series
Barcodes	✓	✓	✓
2D Codes	✓	✓	✓
Direct Part Marks	PCB or ABS Resin	✓	✓
	Metallic	✓	✓
	Casting		✓
	Glass or Mirrored		✓



### WIDE AREA

**265 × 195 mm**

**10.43" × 7.68"**

### FAR READING DEPTH

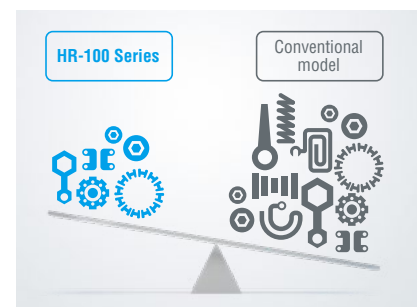
**380 mm**

**14.96"**

## SIMPLE OPERATION

# COMPACT AND LIGHTWEIGHT DESIGN

To minimize headaches during use, this reader features a simple structure with fewer parts. As a result, the unit is compact, lightweight, and robust, ensuring minimal risk of equipment failure.



## IMPROVED EFFICIENCY

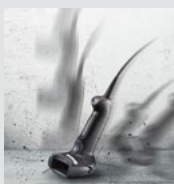
# WIRELESS

The new wireless model of the HR-100 Series eliminates the need for challenging cable routing. The increased ease-of-use can lead to substantial productivity improvements.



### Drop impact resistance 1.8 m **5.91'**

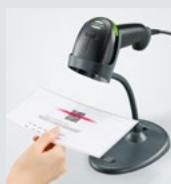
The HR-100 Series is built to withstand accidents. You can rely on its durability and use it without fear of damage.



### Continuous reading with Auto-Scanning mode

When a label comes into the field of view, it is automatically detected and decoded. Using the dedicated stand, the HR-100 automatically switches into Auto-Scanning mode with continuous scanning.

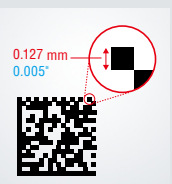
\*Only HR-100/101 has Stand auto detection function.



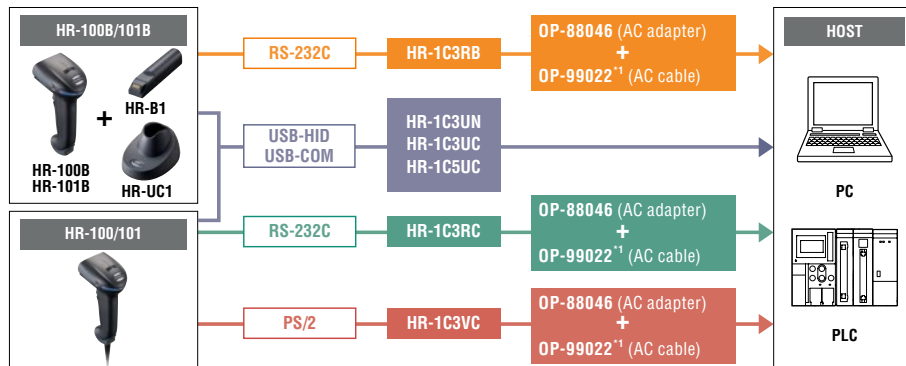
Flexible arm stand **OP-87532**

### 2D CODE: Minimum resolution 0.127 mm **0.005"**

A high-resolution model with a minimum readable cell size of 0.127 mm **0.005"** is available. The ability to read very small codes expands the range of reading applications.



## SYSTEM CONFIGURATION



\*1. Various types of AC cables are available for use in different countries and/or regions. Contact us for details.



## SPECIFICATIONS

### Reader

Model			HR-100		HR-100B		HR-101		HR-101B		
Type			Standard				High resolution				
Interface			Wired		Wireless		Wired		Wireless		
Light source			Red LED								
Reading specifications	Supported symbol	2D	QR, MicroQR, DataMatrix (ECC200), PDF417, MicroPDF417, GS1 Composite (CC-A/CC-B/CC-C), MaxiCode, AztecCode								
		Barcode	CODE39, ITF, 2of5(Industrial 2of5), NW-7 (Codabar), CODE128, GS1-128, GS1 DataBar, CODE93, JAN/EAN/UPC, MSI, Postal, CODE11, 2of5								
	Minimum resolution	2D	0.169 mm <b>0.007"</b>				0.127 mm <b>0.005"</b>				
		Barcode	0.127 mm <b>0.005"</b>				0.076 mm <b>0.003"</b>				
	Reading distance	2D	15 to 180 mm <b>0.59" to 7.09"</b> (Cell size = 0.254 mm <b>0.01"</b> )				0 to 114 mm <b>4.49"</b> (Cell size = 0.254 mm <b>0.01"</b> )				
	Barcode	25 to 115 mm <b>0.98" to 4.53"</b> (Narrow bar width = 0.127 mm <b>0.005"</b> )				0 to 96 mm <b>3.78"</b> (Narrow bar width = 0.127 mm <b>0.005"</b> )					
Wireless	Standard		—		Bluetooth version 2.1		—		Bluetooth version 2.1		
Environmental resistance	Ambient temperature		0 to 50°C <b>32 to 122°F</b>								
	Relative humidity		5 to 95% RH (no condensation)								
	Ambient light		Sunlight: 10000 lux, Fluorescent lamp: 2000 lux								
	Drop impact resistance		1.8 m <b>5.9'</b> 50 times on concrete								
Rating	Power voltage		4.0 to 5.5 VDC		—		4.0 to 5.5 VDC		—		
	Current consumption		Reading: 450 mA, Standby: 90 mA		—		Reading: 450 mA, Standby: 90 mA		—		
Operating time (when using HR-B1) *			—		Approx. 14 hours		—		Approx. 14 hours		
Dimensions			161 × 86 (head) × 71 mm (head) <b>6.34" × 3.39" × 2.80"</b>								
Weight			Approx. 150 g		Approx. 225 g		Approx. 150 g		Approx. 225 g		

\*Typical example at 1 scan/s

### Communication cable

Model	HR-1C3UN	HR-1C3UC	HR-1C5UC	HR-1C3RC*1	HR-1C3VC*1	HR-1C3RB*2
Appearance						
Cable type	Straight		Curled			
Cable length	Approx. 3 m 9.84'		Approx. 5 m 16.4'		Approx. 3 m 9.84'	
Interface	USB			RS-232C	PS/2 keyboard	RS-232C
Connector	USB (type A)			D-sub 9-pin (female)	Mini-DIN 6-pin	D-sub 9-pin (female)

\*1. Only for use with HR-100/101 (wired type) \*2. Only for use with HR-100B/101B (wireless type)

### HR-100B/101B options

Model		HR-UC1	HR-PU1
Type		Communication Unit	Desktop holder
Wireless	Standard	Bluetooth version 2.1	—
Rating	Power voltage	4.5 to 5.5 VDC	
	Current consumption (with AC adapter)	1000 mA	
Charging time (with AC adapter)		Approx. 4.5 hours	
Dimensions		81 × 132 × 101 mm 3.19" × 5.20" × 3.98"	
Weight		Approx. 180 g	



CALL TOLL FREE  
TO CONTACT YOUR LOCAL OFFICE  
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www.keyence.com

**SAFETY INFORMATION**  
Please read the instruction manual carefully in order to safely operate any KEYENCE product.

CONTACT YOUR NEAREST OFFICE FOR RELEASE STATUS

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