

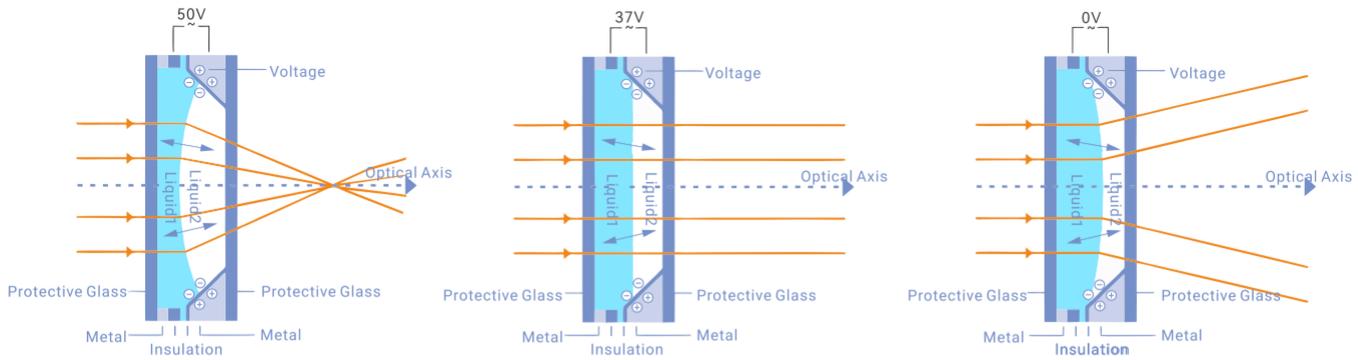
# Barcode Readers



- ◎ Built-in megapixel image sensor combined with self-developed advanced sampling technology and millisecond-level decoding algorithm
- ◎ Easy to operate, one-click parameter adjustment, greatly saving debugging time
- ◎ Powerful networking function, supports 32 units to work together, and aggregates the data from the slave station to the master station for unified transmission
- ◎ Preset multiple sets of algorithms and imaging parameters for cyclic decoding, which can be compatible with bright and dark sound field conditions and product height difference scenes at the same time

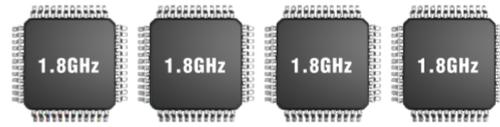
## Liquid Lens Autofocus Technology

Equipped with liquid lens zoom lens, focusing can be completed with just a few sampled images, offering the advantages of fast, accurate, and clear focusing



## Automatic Polling Function

Pre-set multiple sets of algorithms and imaging parameters for cyclic decoding, simultaneously compatible with bright and dark field conditions and scenes with product height different



Quad-core SMP Processor

<b>Pixels</b>	1280*800pixel
<b>Ordinary code reader</b>	30ms
<b>RCD-AI Series</b>	10ms

## Millisecond-level Decoding Speed

Equipped with a Cortex Quad-core processor, with a single core clock speed of up to 1.8 GHz, achieving ultra-fast positioning of one/two-dimensional codes, increasing decoding speed from the average speed of 30ms of ordinary code readers to 10ms, 3 times faster

## Highly Flexible Lighting System

Red/White light optional, 4 groups of light sources can be controlled independently, brightness adjustment for 1-24 sections of light sources, providing 16 supplementary lighting schemes.



## Integrated cable for easy deployment

Integrate power line, Ethernet cable, serial port cable, and IO trigger cable into one cable, providing users with a convenient deployment method

Vision

Barcode

RFID

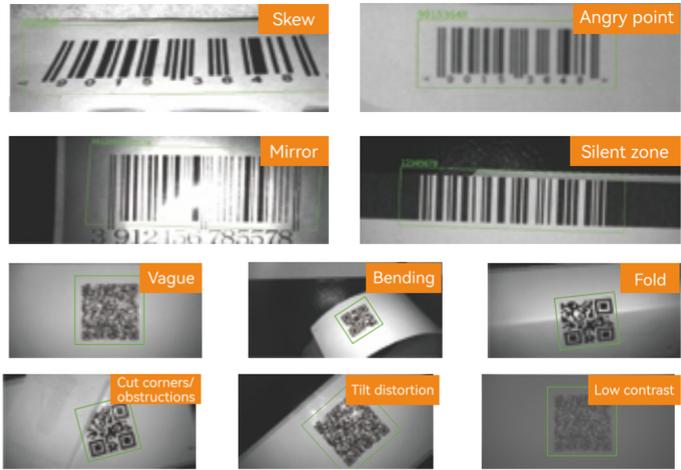
Selection Guide

Fixed-mount

Handheld

## Fast Barcode Scanning in Harsh Environments

Equipped with high-performance deep learning chips, capable of effectively reading codes in complex conditions such as damaged codes, low contrast, poor printing quality, skewing, noise, mirrored surfaces, quiet zones, blurriness, bending, folding, missing corners/obstructions, etc., with strong robustness



Vision

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RFID

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## Supports barcode reading for different coding processes

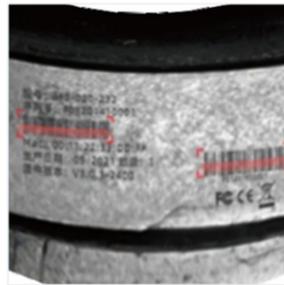
Hollow Dot Matrix Code, Hole Array Code, Curved DPM Code, Pin Collision DPM Code, Dot Matrix Code



Hollow Dot Matrix Code



Hole Array Code



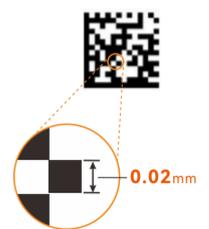
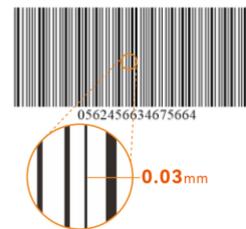
Curved DPM Code



Pin Collision DPM Code

## Enabling Ultra-Small Code Reading

Million-pixel image sensor, combined with ME-mind advanced sampling technology and deep learning algorithms, achieves a recognition accuracy of up to 0.06mm, supporting ultra-small code reading



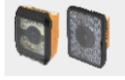
Follow these steps to choose the barcode reader that's best for you !



## Step 1

### Choose the products lineup

Choose by type, resolution, focusing mechanism and light source

Type	Resolution	Focusing mechanism	Light source	Products Lineup	Page
Fixed-mount	1280x800	Fixed	Built-in red/white light	RCD-AI100-F/HF 	EB-07 ▶
		Mechanica/Liquid	Built-in red/white light	RCD-AI100-S 	EB-08 ▶
		Mechanical	Built-in red/white light	RCD-AI100-X 	EB-09 ▶
	1920x1200	Mechanical	Built-in red/white light	RCD-AI230-X 	EB-10 ▶
	2448x2048	By lens	External	RCD-AI500-C 	EB-11 ▶
	2448x2048	Mechanica/Liquid	Built-in light	RCD-AI500-X/Q 	EB-12 ▶
	5472x3648	By lens	External	RCD-AI2000-HC 	EB-13 ▶
	1280x960	Fixed	Built-in red light	RCD20-AI120 	EB-14 ▶
		Mechanical focusing	Built-in red/white/blue light	RCD30-AI120 	EB-15 ▶
	Handheld	1280x800	Fixed	Built-in white light	RCH10/20 

Vision

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# Selection Guide

**Step 2**

## Choose the models

Choose by focusing mechanism, focal length and sensing distance

### RCD-AI100-F/HF

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 Fixed	By lens	180	RCD-AI100-F	RS232/RJ45/USB	EB-07
	By lens	50	RCD-AI100-HF		EB-07

### RCD-AI100-S

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page	
 Mechanical	6	30~300	RCD-AI100-SH06	RS232/RJ45	EB-08	
	Liquid	6	40~300		RCD-AI100-SQ06	EB-08
	Liquid	16	100~400		RCD-AI100-SQ16	EB-08

### RCD-AI100-X

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 Mechanical	8	100~1000	RCD-AI100-X08	RS232/RJ45	EB-09
	12		RCD-AI100-X12		EB-09
	16		RCD-AI100-X16		EB-09

### RCD-AI230-X

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 Mechanical	8	100~1000	RCD-AI230-X08	RS232/RJ45	EB-10
	12		RCD-AI230-X12		EB-10
	16		RCD-AI230-X16		EB-10

### RCD-AI500-C

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 C-mount	By lens	By lens	RCD-AI500-C	RS232/RJ45	EB-11

Vision

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### RCD-AI500-X/Q

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 Mechanical	8	100~2000	RCD-AI500-X08	RS232/RJ45	EB-12
	12		RCD-AI500-X12		EB-12
	16		RCD-AI500-X16		EB-12
	25	200~2000	RCD-AI500-X25		EB-12
 Liquid	16	100~2000	RCD-AI500-Q16		EB-12

### RCD-AI2000-HC

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 C-mount	By lens	By lens	RCD-AI2000-HC	RS232/RJ45	EB-13

### RCD20-AI120

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 Fixed	5.5	60~120	RCD20-AI120-LF60R	RS232/USB	EB-14
		100~200	RCD20-AI120-LF100R		EB-14
		60~120	RCD20-AI120-LF60R-E	RJ45	EB-14
		100~200	RCD20-AI120-LF100R-E		EB-14

### RCD30-AI120

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Main-Model	Communication	Page
 Mechanical	6	30~300	RCD30-AI120-H06	RS232/RJ45	EB-15
	12	30~300	RCD30-AI120-H12		EB-15
	16	100~2000	RCD30-AI120-H16		EB-15

### RCH10/20

Focusing mechanism	Focal length (mm)	Sensing distance (mm)	Connection	Main-Model	Communication	Page
 Fixed	6.8	DM 5mil: 10~60DM 10mil: 10~100	Corded	RCH10-0206U	USB	EB-16
			Wireless	RCH20-0206U-1		EB-16
			Wireless	RCH20-0206P-1	RS232/RJ45	EB-16

Vision

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# Fixed-mount Barcode Readers

## RCD-AI100-(H)F



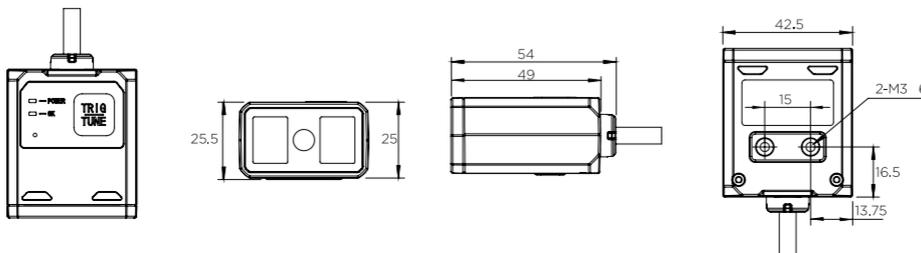
**NEW!**



Basic Features	Working Principle	CMOS	
	Type	Rectangular	
	Sensing distance	Standard: 180mm Code 39(5mil):85~220mm; Code 128(10mil):51~415mm QR Code(15mil):42~313mm; Data Matrix(10mil):60~150mm	High density: 50mm Code 39(3mil):30~60mm; Code 128(10mil):40~122mm QR Code(5mil):30~80mm; Data Matrix(5mil):35~74mm
	Field of View	-	
	Focal length	-	
	Focusing mechanism	fixed	
	Resolution	1280 x 800	
	Light source	Unpolarized red light / Unpolarized white light / Polarized red light / Polarized white light by model	
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode; 2D code: QR code/DataMatrix	
	Bit Depth	Monochrome	
	Shutter	Global	
	Indicator	2 green light spots indicate the center of the scanned code; 2 status LEDs and buzzer	
	Electrical Data	Pixels	3μm x 3μm
Sensor type		-	
Max. Read speed		60pcs/s	
Exposure		20us~100000us	
Gain		0~255dB	
Operating Voltage		24V DC/USB: 5V	
Power Consumption		5W	
Output		2 non-isolated inputs, 2 non-isolated outputs	
Protocols		TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial	
Communications		RS232/RJ45/USB	
Environmental Conditions	Operating Temperature	0~45°C(No Freezing)	
	Storage Temperature	-20~70°C(No Freezing)	
	Operating Humidity	5%~95%RH(No Condensation)	
	Storage Humidity	5%~95%RH(No Condensation)	
	Enclosure rating	IP54	
Mechanical Data	Connection	M12/17-wire Cable	
	Dimensions (WxHxD)	49x25.5x42.5mm	
	Weight	80g	
	Accessories	HDB15P-M-ETH-3M/HDB15P-1M-USB-3M, L-shape Brackets, Screws	
Model	Unpolarized red light	<a href="#">RCD-AI100-F06R</a>	<a href="#">RCD-AI100-HF06R</a>
	Unpolarized white light	<a href="#">RCD-AI100-F06W</a>	<a href="#">RCD-AI100-HF06W</a>
	Polarized red light	<a href="#">RCD-AI100-F06RD</a>	<a href="#">RCD-AI100-HF06RD</a>
	Polarized white light	<a href="#">RCD-AI100-F06WD</a>	<a href="#">RCD-AI100-HF06WD</a>

### Dimensions

Unit: mm



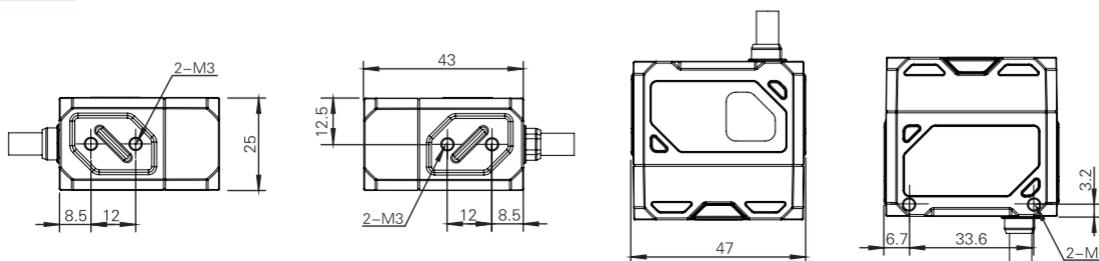


Basic Features	Working Principle	CMOS		
	Type	Rectangular		
	Sensing distance	30~300mm	40~300mm	100~400mm
	Field of View	1920x120mm/300mm		
	Focal length	6mm		16mm
	Focusing mechanism	Mechanical	Liquid	
	Resolution	1288*1088		
	Light source	Unpolarized red light / Unpolarized white light / Polarized red light / Polarized white light by model		
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode ; 2D code: QR code/DataMatrix		
	Bit Depth	Monochrome		
	Shutter	Global		
Indicator	2 green light spots indicate the center of the scanned code; 3 status LEDs and buzzer			
Electrical Data	Pixels	3μm x 3μm		
	Sensor type	1/4"		
	Max. Read speed	60pcs/s		
	Exposure	20μs ~ 1s		
	Gain	0 ~ 255dB		
	Operating Voltage	24V DC		
	Power Consumption	5W		
	Output	2 opto-isolated inputs, 3 non-isolated outputs, NPN/PNP		
	Protocols	TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial		
	Communications	RS232/RJ45		
Environmental Conditions	Operating Temperature	0~45°C(No Freezing)		
	Storage Temperature	-20~70°C(No Freezing)		
	Operating Humidity	5%~95%RH(No Condensation)		
	Storage Humidity	5%~95%RH(No Condensation)		
	Enclosure rating	IP67		
Mechanical Data	Connection	M12/17-wire Cable		
	Dimensions (WxHxD)	47x25x43mm		
	Weight	100g		
	Accessories	24V power adapter (optional), L-shape Brackets, Screws		
Model	Unpolarized red light	RCD-AI100-SH06R	RCD-AI100-SQ06R	RCD-AI100-SQ16R
	Unpolarized white light	RCD-AI100-SH06W	RCD-AI100-SQ06W	RCD-AI100-SQ16W
	Polarized red light	RCD-AI100-SH06RD	RCD-AI100-SQ06RD	RCD-AI100-SQ16RD
	Polarized white light	RCD-AI100-SH06WD	RCD-AI100-SQ06WD	RCD-AI100-SQ16WD

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### Dimensions

Unit: mm



# Fixed-mount Barcode Readers

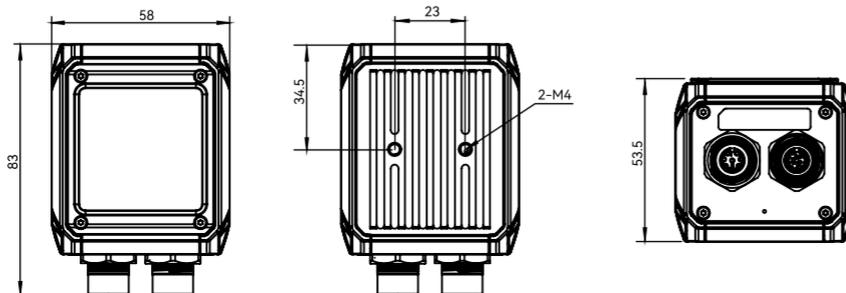
## RCD-AI100-X



Basic Features	Working Principle	CMOS		
	Type	Rectangular		
	Sensing distance	40~1000mm	50~1000mm	100~1000mm
	Field of View	480x300mm/1000mm	320x200mm/1000mm	240x150mm/1000mm
	Focal length	8mm	12mm	16mm
	Focusing mechanism	Mechanical		
	Resolution	1280x800		
	Light source	Unpolarized red light / Unpolarized white light / Polarized red light / Polarized white light by model		
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode;2D code: QR code/DataMatrix		
	Bit Depth	Monochrome		
	Shutter	Global		
	Indicator	1 green light spots indicate the center of the scanned code; 5 status LEDs and buzzer		
	Electrical Data	Pixels	3μm x 3μm	
Sensor type		1/4"		
Max. Read speed		60pcs/s		
Exposure		20μs ~ 1s		
Gain		0 ~ 255dB		
Operating Voltage		24V DC		
Power Consumption		15W		
Output		2 opto-isolated inputs, 3 non-isolated outputs, NPN/PNP		
Environmental Conditions	Protocols	TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial		
	Communications	RS232/RJ45		
	Operating Temperature	0~45°C(No Freezing)		
	Storage Temperature	-20~70°C(No Freezing)		
	Operating Humidity	5%~95%RH(No Condensation)		
Mechanical Data	Storage Humidity	5%~95%RH(No Condensation)		
	Enclosure rating	IP67		
	Connection	M12/8-pin connector +M12/12-pin connector		
	Dimensions (WxHxD)	58x53.5x83mm		
Model	Weight	220g		
	Accessories	M12-12PIN-3M/M12-8PIN-3M, 24V power adapter (optional), L-shape Brackets, Screws		
	Unpolarized red light	<a href="#">RCD-AI100-X08R</a>	<a href="#">RCD-AI100-X12R</a>	<a href="#">RCD-AI100-X16R</a>
	Unpolarized white light	<a href="#">RCD-AI100-X08W</a>	<a href="#">RCD-AI100-X12W</a>	<a href="#">RCD-AI100-X16W</a>
	Polarized red light	<a href="#">RCD-AI100-X08RD</a>	<a href="#">RCD-AI100-X12RD</a>	<a href="#">RCD-AI100-X16RD</a>
Polarized white light	<a href="#">RCD-AI100-X08WD</a>	<a href="#">RCD-AI100-X12WD</a>	<a href="#">RCD-AI100-X16WD</a>	

### Dimensions

Unit: mm





Basic Features	Working Principle	CMOS		
	Type	Rectangular		
	Sensing distance	40~1000mm	50~1000mm	100~1000mm
	Field of View	720x450mm/1000mm	480x300mm/1000mm	360x225mm/1000mm
	Focal length	8mm	12mm	16mm
	Focusing mechanism	Mechanical		
	Resolution	1920x1200		
	Light source	Unpolarized red light / Unpolarized white light / Polarized red light / Polarized white light by model		
	Barcode	1D code:Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode;2D code:QR code/DataMatrix		
	Bit Depth	Monochrome		
	Shutter	Global		
Indicator	1 green light spots indicate the center of the scanned code; 5 status LEDs and buzzer			
Electrical Data	Pixels	3μm x 3μm		
	Sensor type	1/2.6"		
	Max. Read speed	60pcs/s		
	Exposure	20μs ~ 1s		
	Gain	0 ~ 255dB		
	Operating Voltage	24V DC		
	Power Consumption	15W		
	Output	2 opto-isolated inputs, 3 non-isolated outputs, NPN/PNP		
	Protocols	TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial		
	Communications	RS232/RJ45		
Environmental Conditions	Operating Temperature	0~45°C(No Freezing)		
	Storage Temperature	-20~70°C(No Freezing)		
	Operating Humidity	5%~95%RH(No Condensation)		
	Storage Humidity	5%~95%RH(No Condensation)		
	Enclosure rating	IP67		
Mechanical Data	Connection	M12/8-pin connector +M12/12-pin connector		
	Dimensions (WxHxD)	58x53.5x83mm		
	Weight	220g		
	Accessories	M12-12PIN-3M/M12-8PIN-3M, 24V power adapter (optional), L-shape Brackets, Screws		
Model	Unpolarized red light	<a href="#">RCD-AI230-X08R</a>	<a href="#">RCD-AI230-X12R</a>	<a href="#">RCD-AI230-X16R</a>
	Unpolarized white light	<a href="#">RCD-AI230-X08W</a>	<a href="#">RCD-AI230-X12W</a>	<a href="#">RCD-AI230-X16W</a>
	Polarized red light	<a href="#">RCD-AI230-X08RD</a>	<a href="#">RCD-AI230-X12RD</a>	<a href="#">RCD-AI230-X16RD</a>
	Polarized white light	<a href="#">RCD-AI230-X08WD</a>	<a href="#">RCD-AI230-X12WD</a>	<a href="#">RCD-AI230-X16WD</a>

Vision

Barcode

RFID

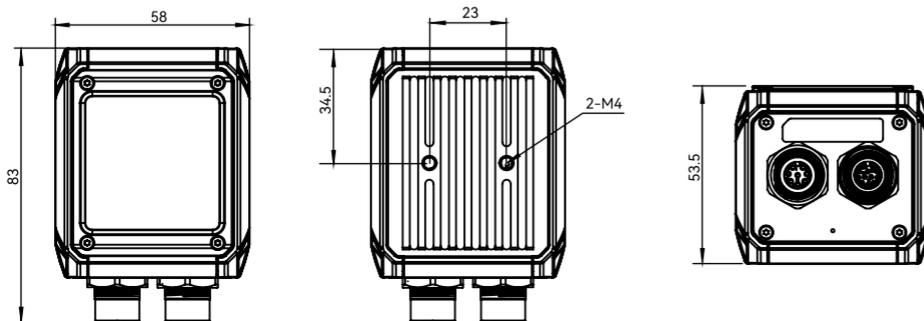
Selection Guide

Fixed-mount

Handheld

### Dimensions

Unit: mm



# Fixed-mount Barcode Readers

## RCD-AI500

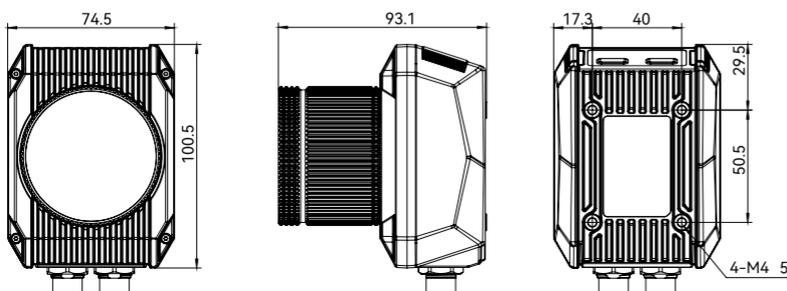


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Basic Features	Working Principle	CMOS
	Type	Rectangular
	Sensing distance	By lens
	Field of View	By lens
	Focal length	By lens
	Focusing mechanism	C-mount
	Resolution	2448x2048
	Light source	External illumination
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode; 2D code: QR code/DataMatrix
	Bit Depth	Monochrome
	Shutter	Rolling
	Indicator	1 green light spots indicate the center of the scanned code; 5 status LEDs and buzzer
	Electrical Data	Pixels
Sensor type		1/1.8"
Max. Read speed		30pcs/s
Exposure		20μs~1s
Gain		0 ~ 255dB
Operating Voltage		24V DC
Power Consumption		15W
Output		2 opto-isolated inputs, 3 opto-isolated outputs, NPN/PNP
Protocols		TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial
Communications		RS232/RJ45
Environmental Conditions	Operating Temperature	0~45°C(No Freezing)
	Storage Temperature	-20~70°C(No Freezing)
	Operating Humidity	5%~95%RH(No Condensation)
	Storage Humidity	5%~95%RH(No Condensation)
	Enclosure rating	IP67
Mechanical Data	Connection	M12/8-pin connector +M12/12-pin connector
	Dimensions (WxHxD)	74.5x93.1x100.5mm
	Weight	450g
	Accessories	M12-12PIN-3M/M12-8PIN-3M, 24V power adapter (optional), L-shape Brackets, Screws
	Model	<b>RCD-AI500-C</b>

### Dimensions

Unit: mm



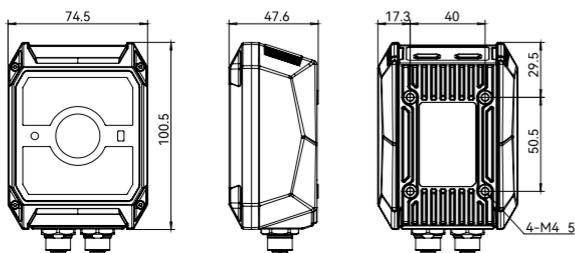


Basic Features	Working Principle	CMOS					
	Type	Rectangular					
	Sensing distance	100~2000mm		200~2000mm	100~2000mm		
	Field of View	1677*1403/2000	1118*935/2000	838*701/2000	537*449/2000	838*701/2000	
	Focal length	8mm	12mm	16mm	25mm	16mm	
	Focusing mechanism	Mechanical			Liquid		
	Resolution	2448x2048					
	Light source	Unpolarized red light / Unpolarized white light / Polarized red light / Polarized white light by model					
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode; 2D code: QR code/DataMatrix					
	Bit Depth	Monochrome					
	Shutter	Global					
	Indicator	1 green light spots indicate the center of the scanned code; 5 status LEDs and buzzer					
Electrical Data	Pixels	2.74μm×2.74μm					
	Sensor type	1/1.8"					
	Max. Read speed	30pcs/s					
	Exposure	20μs~1s					
	Gain	0 ~ 255dB					
	Operating Voltage	24V DC					
	Power Consumption	15W					
	Output	2 opto-isolated inputs, 3 opto-isolated outputs, NPN/PNP					
	Protocols	TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial					
	Communications	RS232/RJ45					
Environmental Conditions	Operating Temperature	0~45°C(No Freezing)					
	Storage Temperature	-20~70°C(No Freezing)					
	Operating Humidity	5%~95%RH(No Condensation)					
	Storage Humidity	5%~95%RH(No Condensation)					
	Enclosure rating	IP67					
Mechanical Data	Connection	M12/8-pin connector +M12/12-pin connector					
	Dimensions (WxHxD)	Normal power: 74.5x100.5x47.6mm; High power: 134.5x108.5x65.3mm					
	Weight	Normal power: 550g; High power: 750g					
	Accessories	M12-12PIN-3M/M12-8PIN-3M, 24V power adapter (optional), L-shape Brackets, Screws					
Model	Normal power	Unpolarized red light	RCD-AI500-X08R	RCD-AI500-X12R	RCD-AI500-X16R	RCD-AI500-X25R	RCD-AI500-Q16R
		Unpolarized white light	RCD-AI500-X08W	RCD-AI500-X12W	RCD-AI500-X16W	RCD-AI500-X25W	RCD-AI500-Q16W
		Polarized red light	RCD-AI500-X08RD	RCD-AI500-X12RD	RCD-AI500-X16RD	RCD-AI500-X25RD	RCD-AI500-Q16RD
		Polarized white light	RCD-AI500-X08WD	RCD-AI500-X12WD	RCD-AI500-X16WD	RCD-AI500-X25WD	RCD-AI500-Q16WD
	High power	Unpolarized red light	RCD-AI500-X08RH	RCD-AI500-X12RH	RCD-AI500-X16RH	RCD-AI500-X25RH	RCD-AI500-Q16RH
		Unpolarized white light	RCD-AI500-X08WH	RCD-AI500-X12WH	RCD-AI500-X16WH	RCD-AI500-X25WH	RCD-AI500-Q16WH

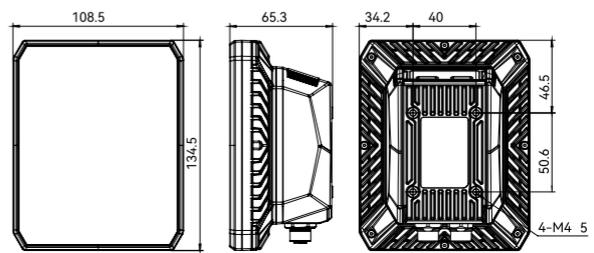
- Vision
- Barcode
- RFID
- Selection Guide
- Fixed-mount
- Handheld

### Dimensions

Standard



High Power



Unit: mm

# Fixed-mount Barcode Readers

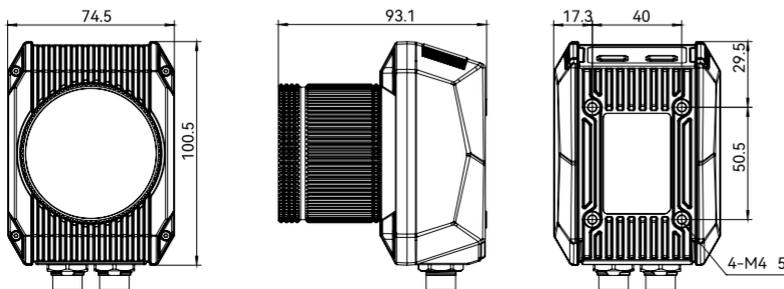
## RCD-AI2000



Basic Features	Working Principle	CMOS
	Type	Rectangular
	Sensing distance	By lens
	Field of View	By lens
	Focal length	By lens
	Focusing mechanism	C-mount
	Resolution	5472x3648
	Light source	External illumination
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC/Pharmacode; 2D code: QR code/DataMatrix
	Bit Depth	Monochrome
	Shutter	Rolling
	Indicator	1 green light spots indicate the center of the scanned code; 5 status LEDs and buzzer
	Electrical Data	Pixels
Sensor type		1"
Max. Read speed		15pcs/s
Exposure		20μs~1s
Gain		-
Operating Voltage		24V DC
Power Consumption		15W
Output		2 opto-isolated inputs, 3 opto-isolated outputs, NPN/PNP
Protocols		TCP Server/TCP Client/ModBus TCP/ModBus RTU/ProfiNet/Ethernet/IP/MELSEC/SLMP/Fins/Serial
Communications	RS232/RJ45	
Environmental Conditions	Operating Temperature	0~45°C(No Freezing)
	Storage Temperature	-20~70°C(No Freezing)
	Operating Humidity	5%~95%RH(No Condensation)
	Storage Humidity	5%~95%RH(No Condensation)
	Enclosure rating	IP67
Mechanical Data	Connection	M12/8-pin connector +M12/12-pin connector
	Dimensions (WxHxD)	74.5x93.1x100.5mm
	Weight	450g
	Accessories	M12-12PIN-3M/M12-8PIN-3M, 24V power adapter (optional), L-shape Brackets, Screws
Model	<b>RCD-AI2000-HC</b>	

### Dimensions

Unit: mm





Basic Features	Working Principle	CMOS			
	Type	Rectangular			
	Sensing distance	60~120mm	100~200mm	60~120mm	100~200mm
	Field of View	Horizontal	37°		
		Vertical	28°		
	Aimer	2 green LED dots			
	Focal length	5.5mm			
	Focusing mechanism	Fixed			
	Resolution	1280x960			
	Lighting system	Non-polarized light + uniform light			
	Light source	Integrated LEDs, white			
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC-E ; 2D code: QR code/DataMatrix			
	Bit Depth	Monochrome			
	Shutter	Global			
Indicator	2 green light spots indicate the center of the scanned code; 3 status LEDs and buzzer				
Electrical Data	Pixels	3μm×3μm			
	Sensor type	1/3.7"			
	Max. Read speed	120FPS			
	Exposure	80~30000us			
	Gain	0~16dB			
	Operating Voltage	24V DC			
	Power Consumption	2W			
	Output	1 opto-isolated inputs, 1 opto-isolated outputs, NPN/PNP			
	Protocols	USB HID, Rs232	TCP/IP, EIP, FTP, Profinet, Modbus TCP		
	Communications	USB2.0, RS232	Ethernet/100Mbps		
Environmental Conditions	Operating Temperature	-10~50°C(No Freezing)			
	Storage Temperature	-20~70°C(No Freezing)			
	Operating Humidity	5%~95%RH(No Condensation)			
	Storage Humidity	5%~95%RH(No Condensation)			
	Enclosure rating	IP65			
Mechanical Data	Connection	With cable			
	Dimensions (WxHxD)	48x29x28mm			
	Weight	115g			
	Model	RCD20-AI120-LF60R	RCD20-AI120-LF100R	RCD20-AI120-LF60R-E	RCD20-AI120-LF100R-E

Vision

Barcode

RFID

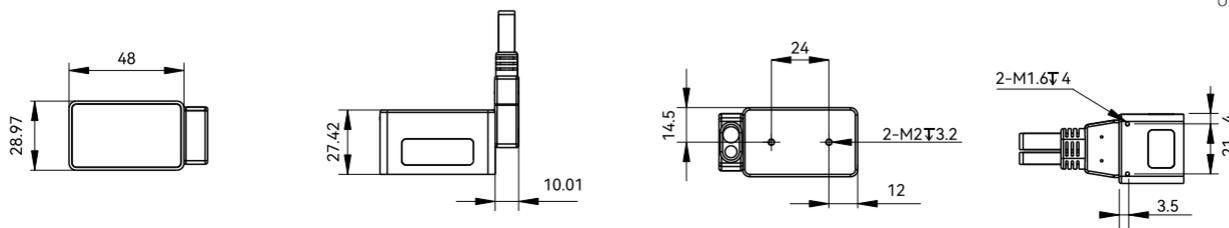
Selection Guide

Fixed-mount

Handheld

### Dimensions

Unit: mm



# Fixed-mount Barcode Readers

## RCD30

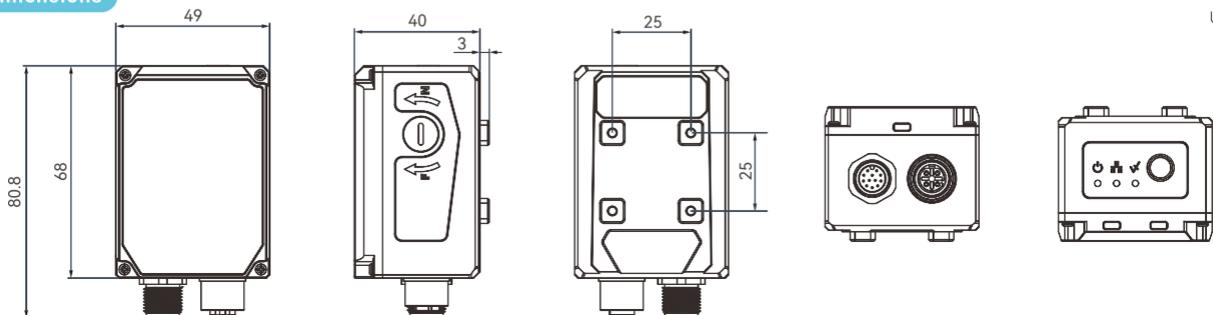


**NEW!**



Basic Features	Working Principle	CMOS			
	Type	Rectangular			
	Sensing distance	30~300mm	30~300mm	100~2000mm	
	Field of View	Horizontal	38°	31°	23°
		Vertical	25°	20°	15°
	Aimer	2 green LED dots			
	Focal length	6mm	12mm	16mm	
	Focusing mechanism	Mechanical			
	Resolution	1280x960			
	Lighting system	Direct light + polarized light + uniform light			
	Light source	Integrated LEDs, red, blue, white			
	Barcode	1D code: Code 39/Code 93/Code 128/EAN-8/EAN-13/Interleaved 2 of 5/UPC-E ; 2D code: QR code/DataMatrix			
	Bit Depth	Monochrome			
	Shutter	Global			
Indicator	2 green light spots indicate the center of the scanned code; 3 status LEDs and buzzer				
Electrical Data	Pixels	3µm×3µm			
	Sensor type	1/3.7"			
	Max. Read speed	120FPS			
	Exposure	80~50000us			
	Gain	1~15dB			
	Operating Voltage	24V DC			
	Power Consumption	3W			
	Output	2 opto-isolated inputs, 2 opto-isolated outputs			
	Protocols	RS232, TCP/IP, EIP, FTP, Profinet, Modbus TCP			
	Communications	RS232, Ethernet/100Mbps			
Environmental Conditions	Operating Temperature	-10~50°C(No Freezing)			
	Storage Temperature	-20~70°C(No Freezing)			
	Operating Humidity	5%~95%RH(No Condensation)			
	Storage Humidity	5%~95%RH(No Condensation)			
	Enclosure rating	IP65			
Mechanical Data	Connection	With connector			
	Dimensions (WxHxD)	68x49x40mm			
	Weight	200g			
Model	Red light	RCD30-AI120-H06RF	RCD30-AI120-H12RF	RCD30-AI120-H16RF	
	White light	RCD30-AI120-H06WF	RCD30-AI120-H12WF	RCD30-AI120-H16WF	
	Blue light	RCD30-AI120-H06BF	RCD30-AI120-H12BF	RCD30-AI120-H16BF	

### Dimensions



Unit: mm