

# R1

## 1.3M P Series Industrial Barcode Reader

Available Models








6 mm focal length: R1-06W

12 mm focal length: R1-12W

15 mm focal length: R1-15W



### Product Advantages

-  Adopts built-in deep learning algorithm to read codes with good robustness.
-  Adopts multiple IO interfaces for input and output signals.
-  Support polarized and non-polarized modes.
-  Indicators on device display device status and code reading results.
-  Adopts COMS global shutter sensor to provide high quality images.
-  Adopts 14 LED lamps to provide light source.
-  Adopts 2 LED aiming lamps for easy installation and code aiming.

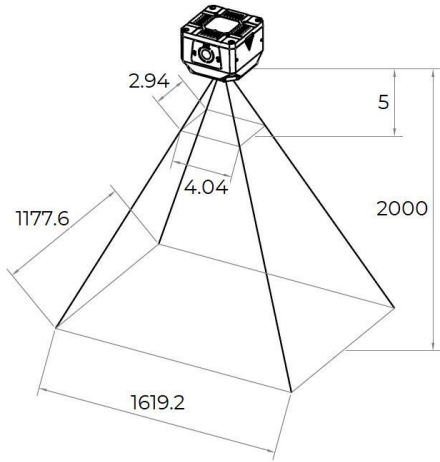


### Application Scenarios

3C, Food And Drug, Electronic Semiconductor, Auto Parts, Intelligent Manufacturing, Express Storage And Logistics

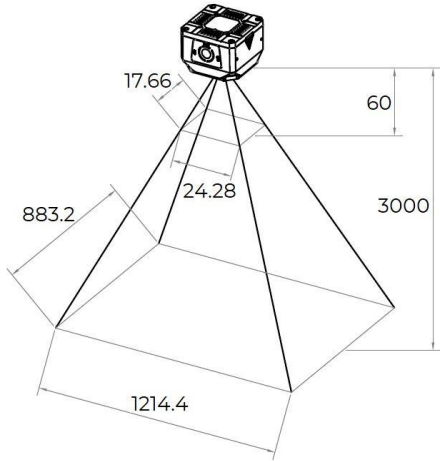
# Specification Chart

## R1-06W



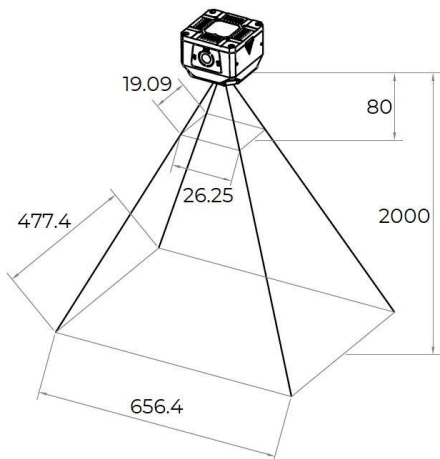
R1-06W			
Distance (mm)	Width	Height	FOV Horizontal/Vertical
5	4.04 mm	2.94 mm	44.1°
2000	1619.2 mm	1177.6 mm	32.8°

## R1-12W



R1-12W			
Distance (mm)	Width	Height	FOV Horizontal/Vertical
60	24.28 mm	17.66 mm	22.9°
3000	1214.4 mm	883.2 mm	16.7°

## R1-15W



R1-15W			
Distance (mm)	Width	Height	FOV Horizontal/Vertical
80	26.25 mm	19.09 mm	18.6°
2000	656.4 mm	477.4 mm	12.7°

# Product Specifications

<b>Performance</b>		
Image Sensor		1280 × 1024 CMOS
Decode Capabilities	2D	PDF 417, Data Matrix, QR Code
	1D	Code 39, Code 93, Code 128, Codabar, EAN 8, EAN 13, UPCA, UPCE, ITF 14, ITF 25, Matrix 25, MSI, Code 11 and Industrial 25
Max. Frame Rate		60 fps
Max. Reading Speed		80 codes/sec
Sensor Type		CMOS , global shutter 3.2 μm × 3.2 μm
Pixel Size		3.45 μm×3.45 μm
Sensor Size		1/2.9"
Exposure Time		16 μs ~ 1 sec
Gain		0 ~ 40 dB
Weight		Approx. 280 g (0.6 lb.)
Resolution		1D 3mil; 2D 5mil
Communication Protocol		SmartSDK , TCP Client , Serial , FTP , TCP Server , Profinet , MELSEC , Ethernet/ IP , ModBus , Fins , SLMP
Data Interface		Fast Ethernet ( 100 Mbit/s )
Interface		17-pin M12 connector provides power and I/O, including non-isolated input (LineIn 0/1/2) x 3, non-isolated output (LineOut 0/1/2) x 3, RS-232 input x 1, RS-232 output x 1. Device trigger via pressing button on top supported.
		Including non-isolated input (LineIn 0/1/2) x 3, non-isolated output (LineOut 0/1/2) x 3, RS-232 input x 1, RS-232 output x 1. Device trigger via pressing button on top supported.
Power Supply		12 ~ 24 VDC
Max. Power Consumption		20 W@24 VDC ( (light source enabled) )
Lens Mount		M12-mount, mechanical autofocus supported.
Typical Depth of Field		06mm:46*38 ; 12mm:24*20 ; 15mm:20*16
Lens Interface		M12-mount , Manual focus
Fill Light		6 independent control channels, totaling 14 white lights, half with polarizing lens cover
Light Source		Spotlight white light, available for purchase with spotlight red/blue light, wide-angle white/blue light
Indicator Light		Powerindicator(PWR),network indicator (LNK),status indicator(STS),result indicator (OK/NG)
Dimension		65.2 mm×65.2mm×47.2mm
Weight		Approx. 280 g (0.6 lb.)
Seal		IP67
Operating Temp		0°C~+50°C
Storage Temp		-30°C~+70°C
Humidity		20% to 95% RH, non-condensing
Regulatory		CE, FCC, RoHS

## Contact Information



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