



## AI-H100

Separate Amplifier Model: Sensor Head, 100 mm



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

Model		AI-H100
Installation Distance		90 to 110 mm <b>3.54 to 4.33"</b>
Detection Area	1X Zoom to 4X Zoom	8 × 8 mm <b>0.31 × 0.31"</b> to 32 × 32 mm <b>1.26 × 1.26"</b> *1
	Digital Zoom	1X to 4X (17 steps) adjustment, zoom position adjustment*1
Light Receiving Element		BW CMOS
Transmitter	Light Source	Red LED (660 nm)
	Lighting Method	Pulse lighting
Indicators		1 (green/red/orange)
Environmental resistance	Enclosure rating	IP67*2
	Ambient temperature	-10 to +50 °C <b>14 to 122 °F</b> (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm <b>0.06"</b> , 2 hours in each of the X, Y, and Z directions
	Shock resistance	500 m/s <sup>2</sup> , 3 times in each of 6 directions
Materials		Main unit case: Zinc die-cast/PBT; Front cover: Acrylic (hard coat); Cable: PVC Operation indicator: PPSU; Polarized filter case: POM
Weight		Approx. 70 g (including polarized filter)

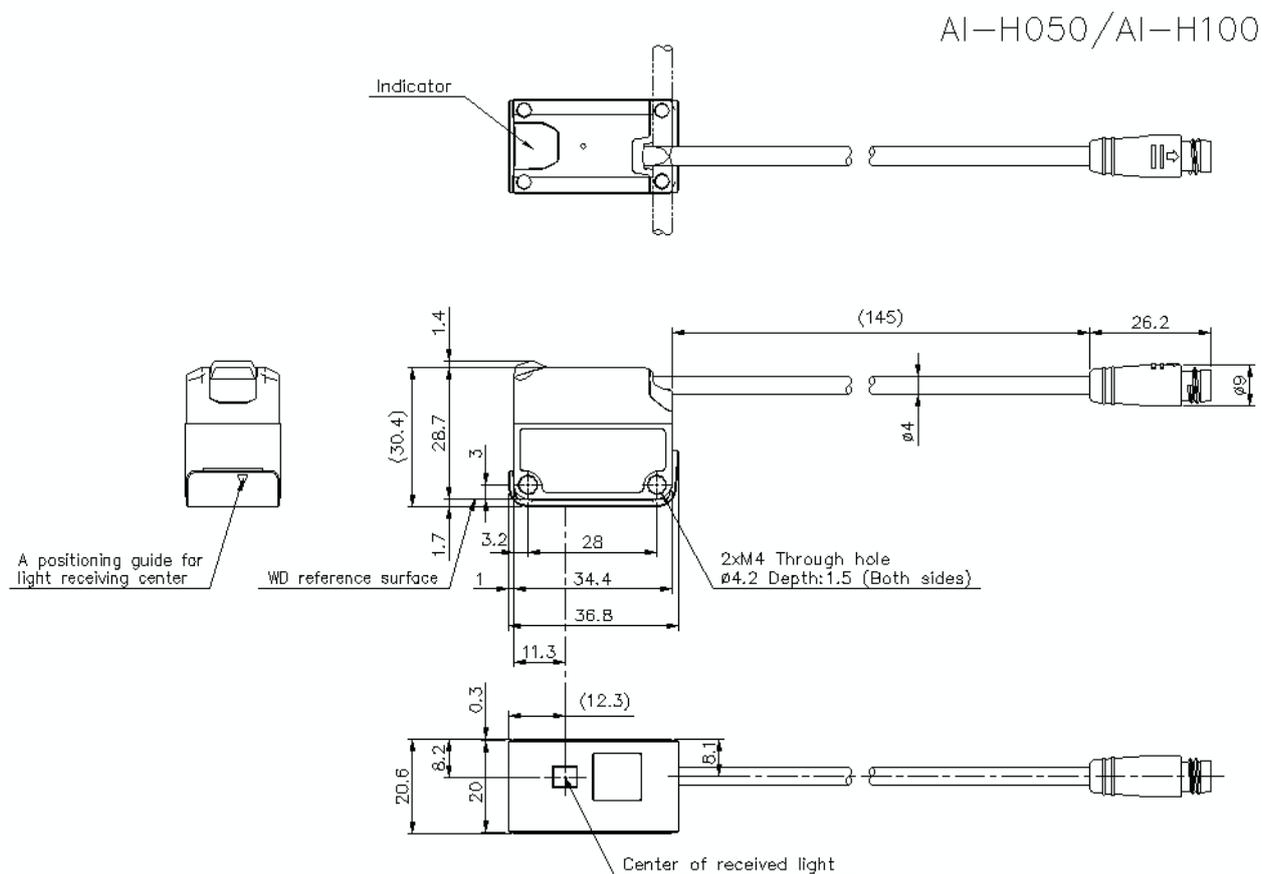
\*1 When positioned in the midpoint of the installation distance range.

\*2 Except when polarized filters or dome filters are mounted.

# Dimensions

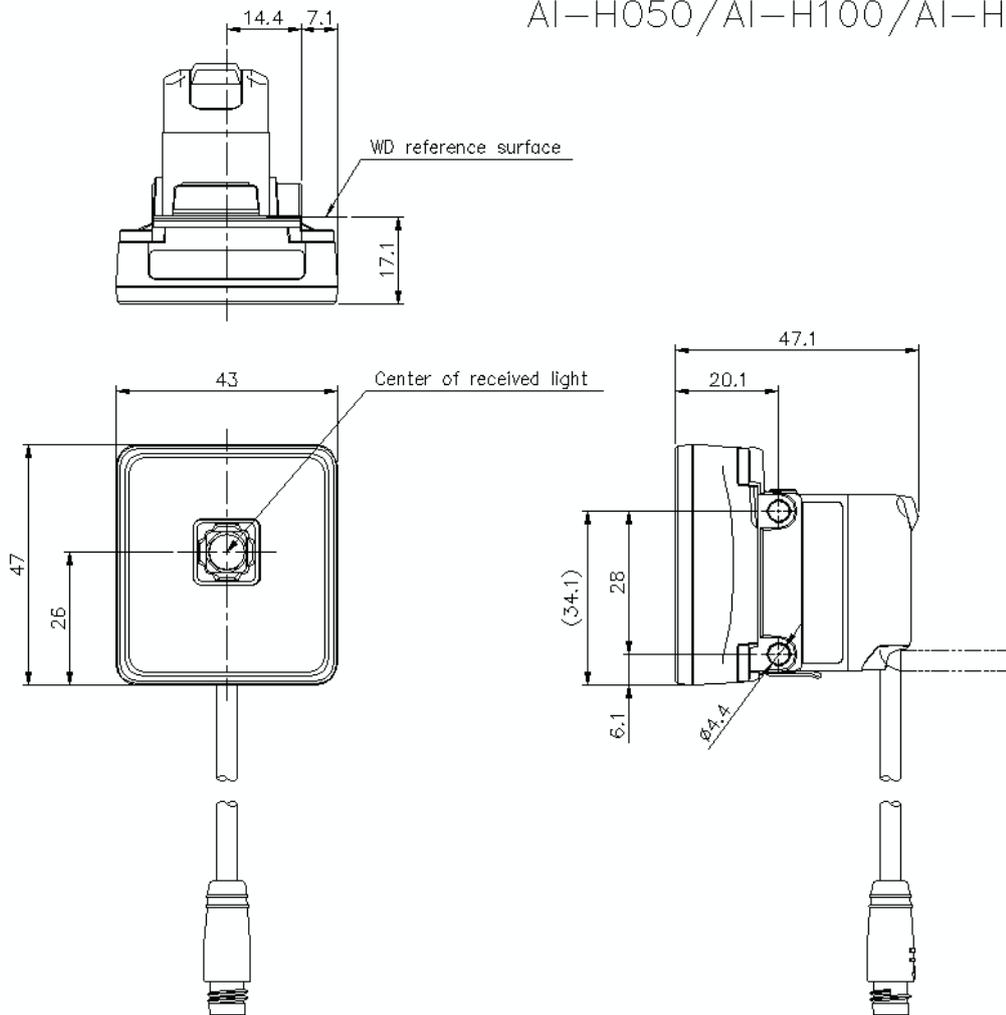
\* Download CAD file or product manual for larger image/text and more detail.

ai-h050\_h100\_dimension\_01.gif



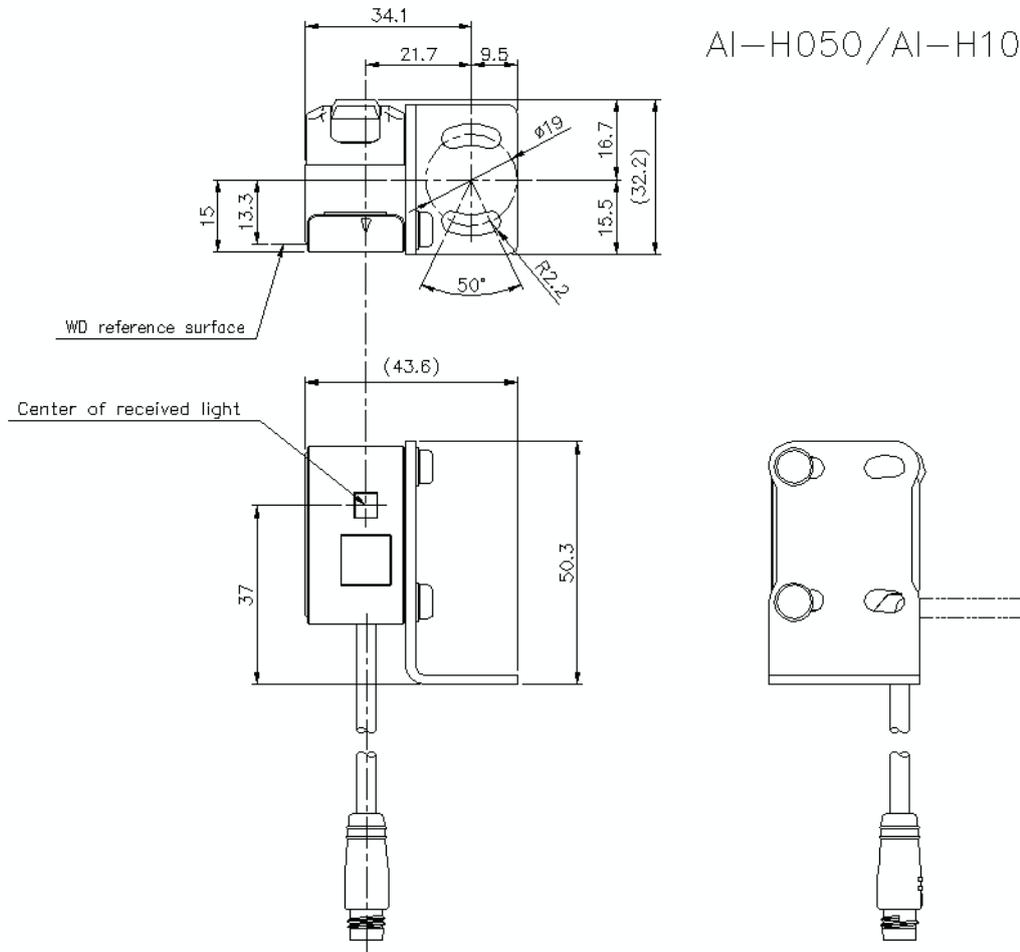
aih050-160\_d16h\_dimension\_01.gif

AI-H050/AI-H100/AI-H160/AI-D16H



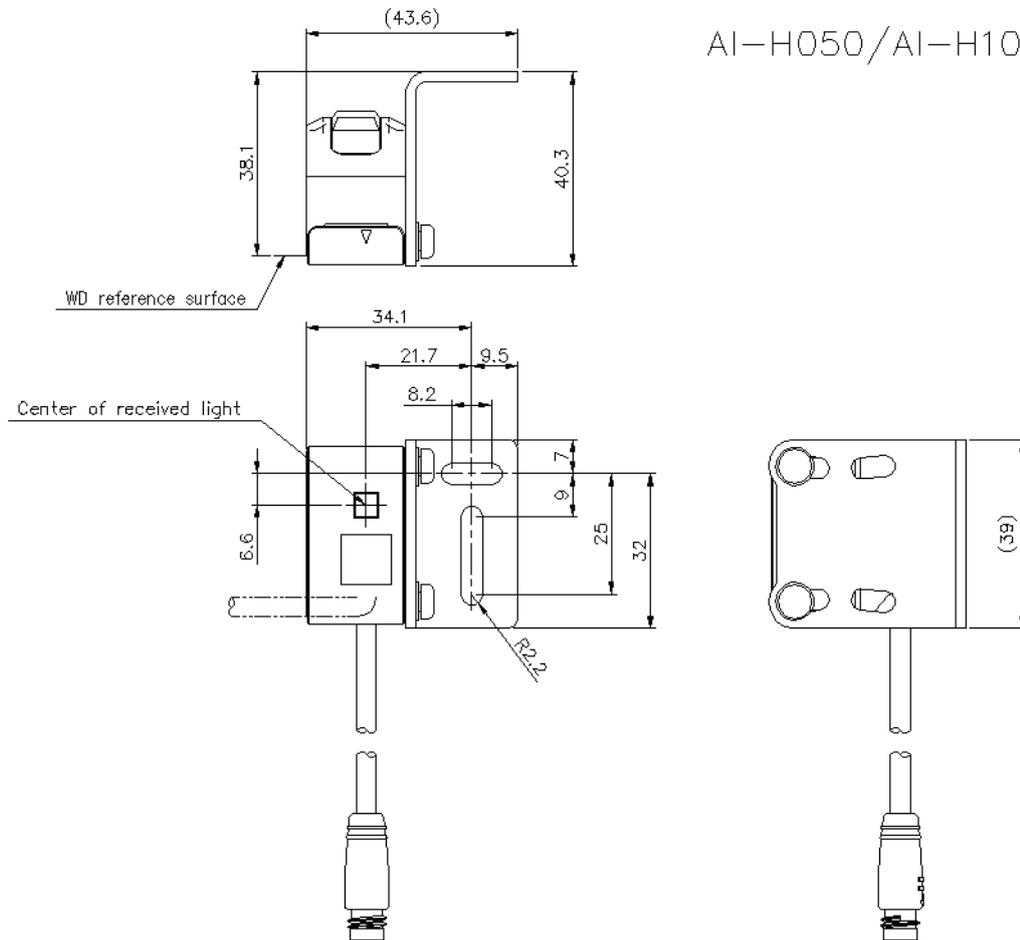
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AI-H050/AI-H100/OP-88104

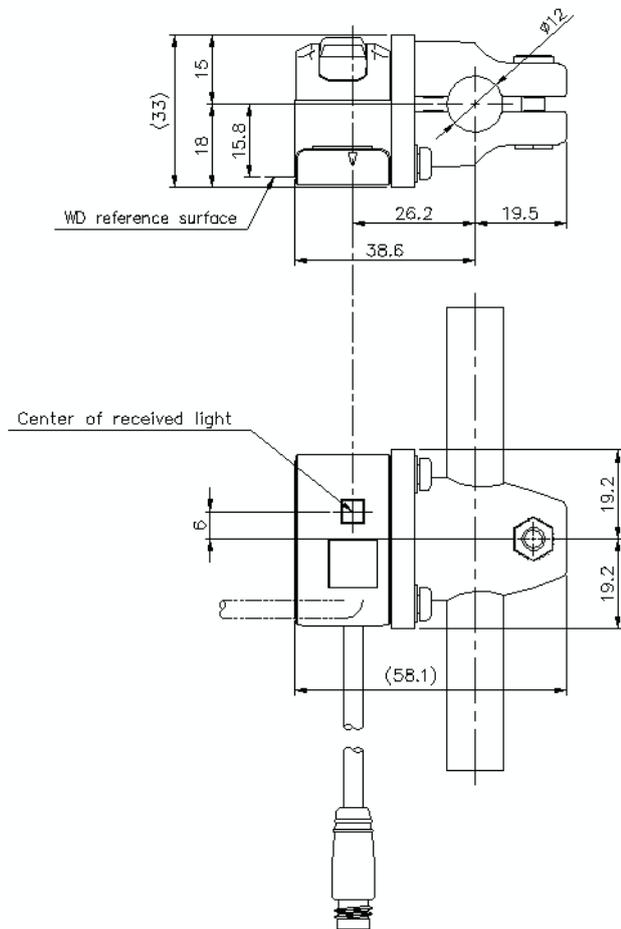


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AI-H050/AI-H100/OP-88105

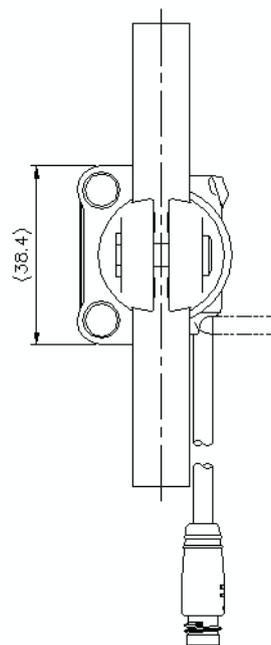


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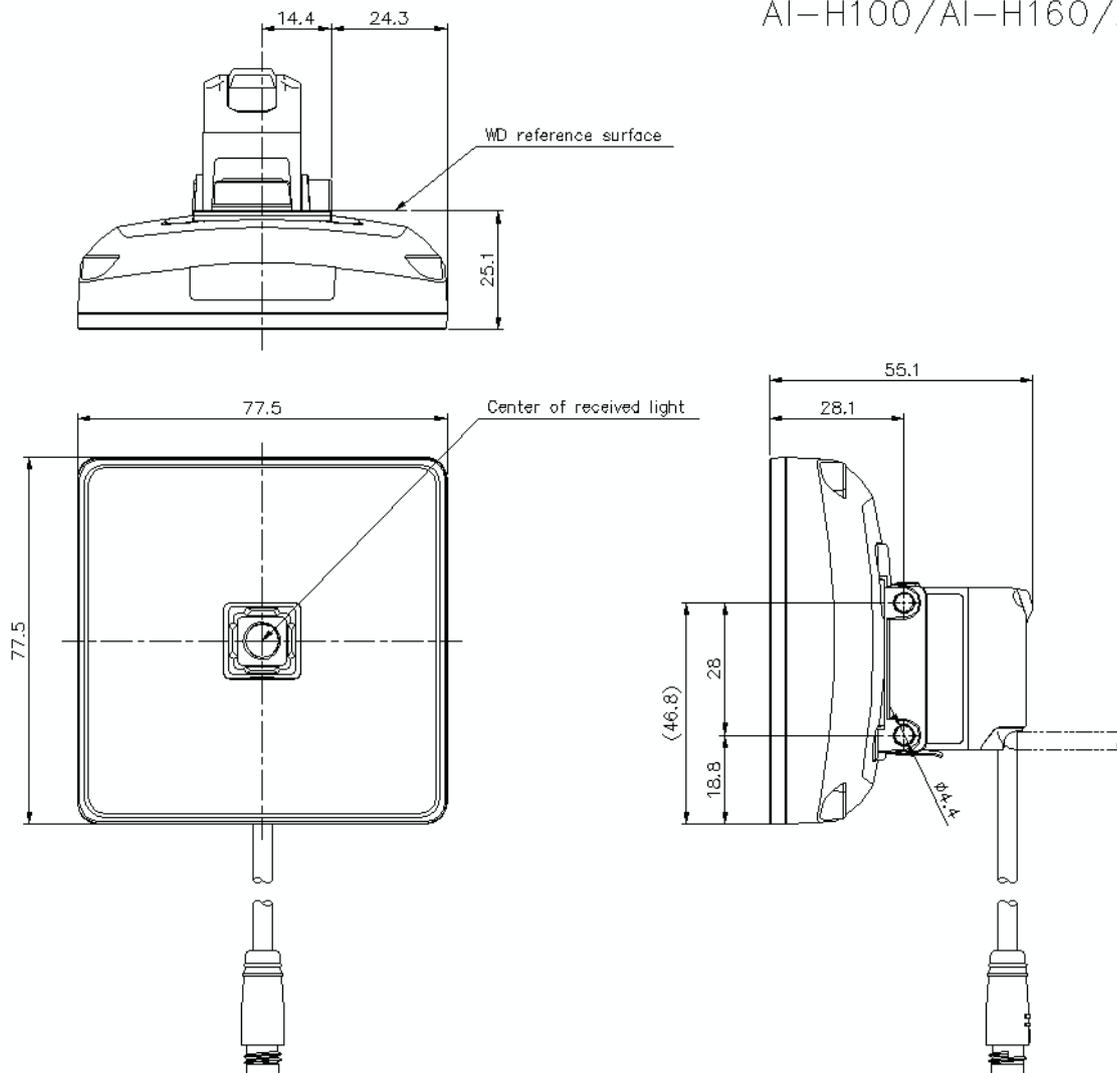
AI-H050/AI-H100/OP-88106

\* A pole ( $\phi 12$ ) is not included in OP-88106.



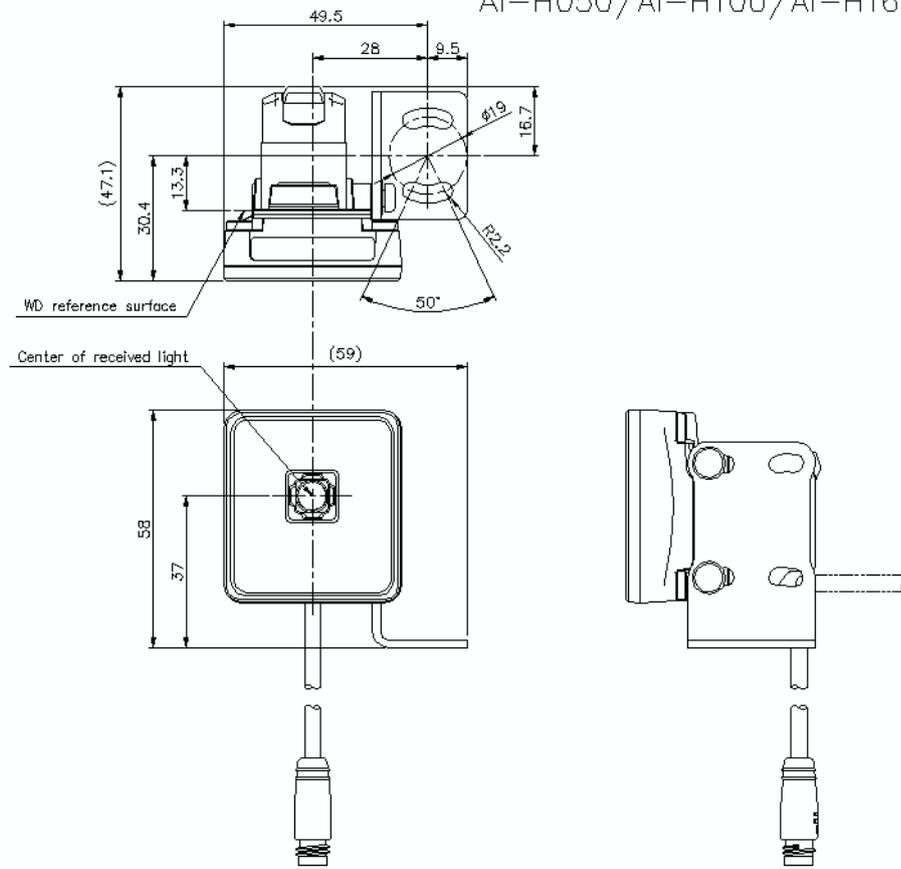
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AI-H100/AI-H160/AI-D32H



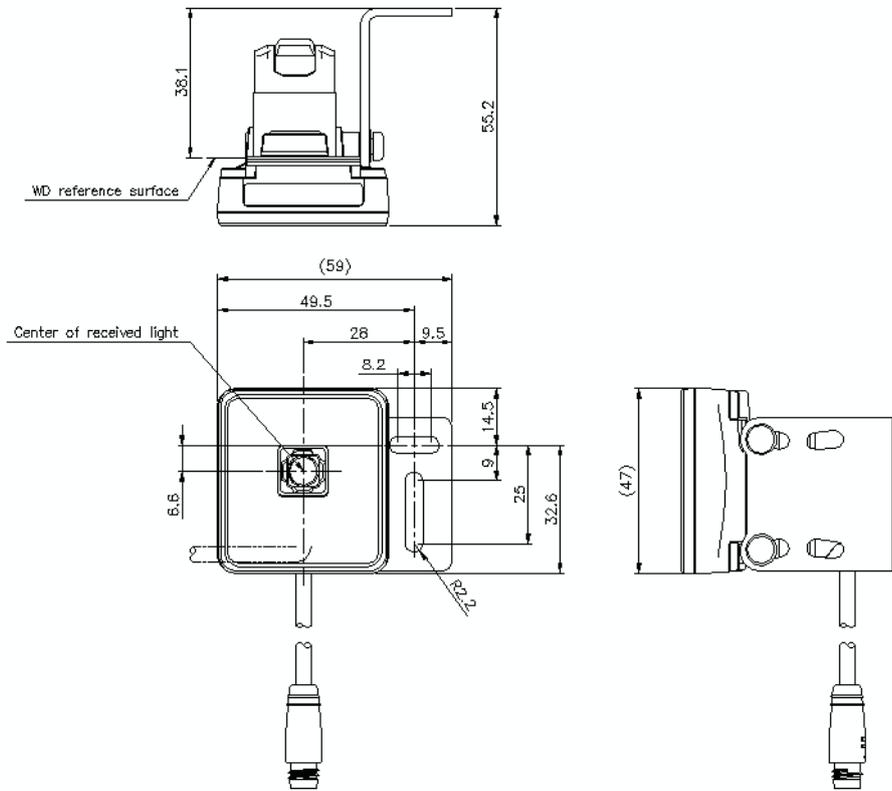
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AI-H050/AI-H100/AI-H160/AI-D16H/OP-88104



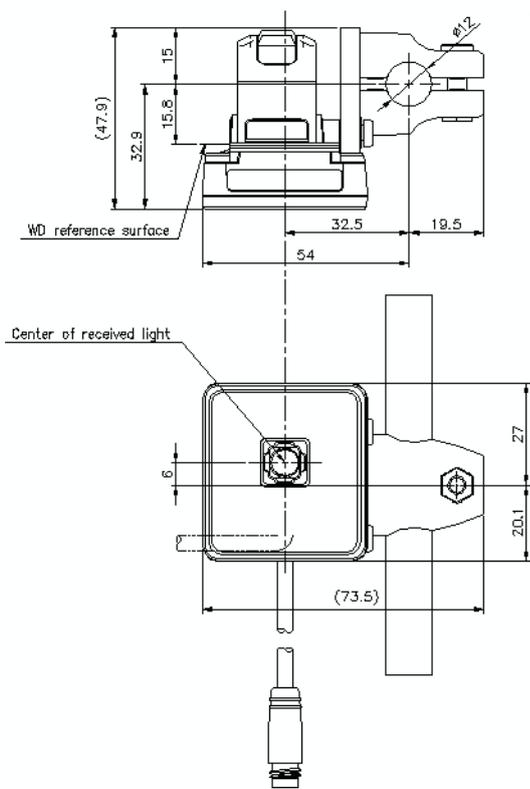
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AI-H050/AI-H100/AI-H160/AI-D16H/OP-88105

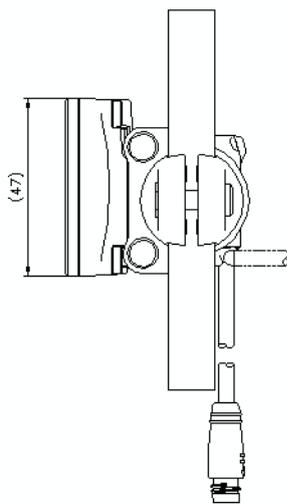


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AI-H050/AI-H100/AI-H160/AI-D16H/OP-88106

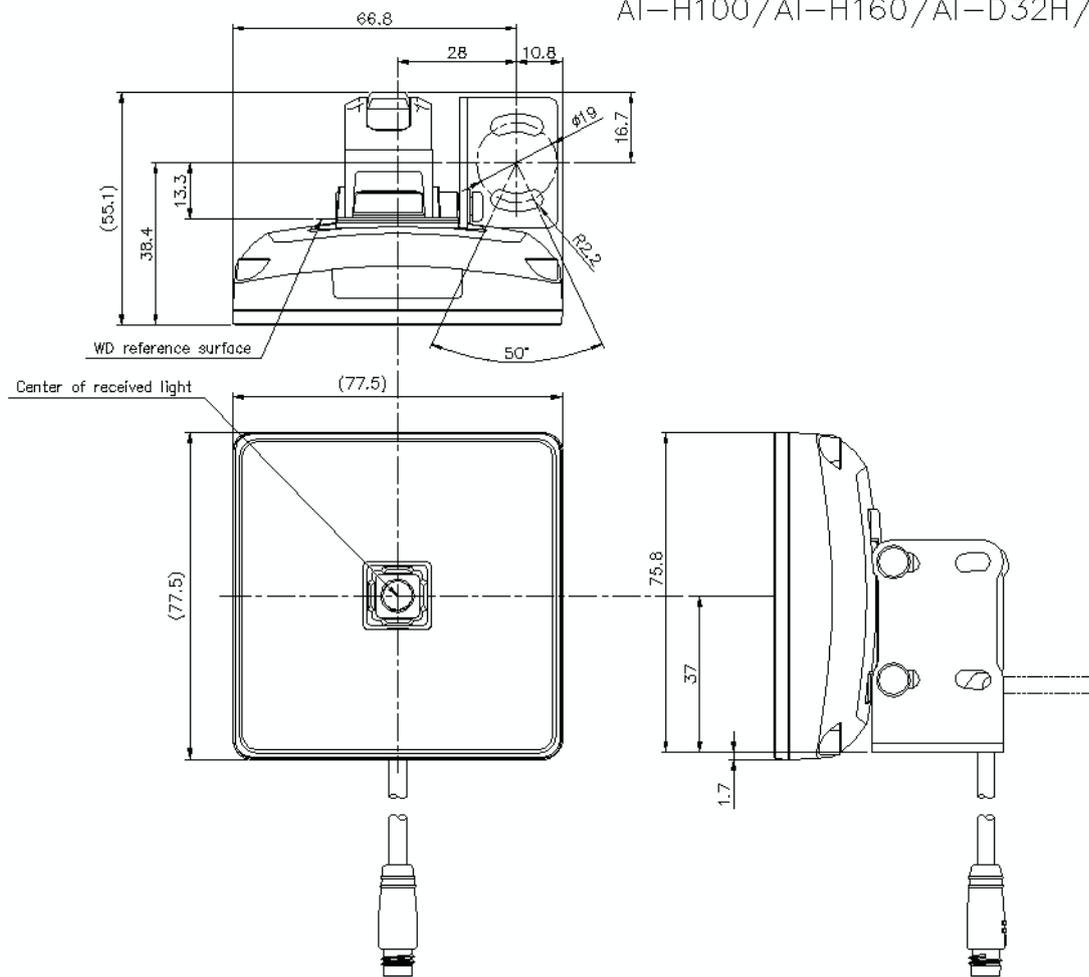


\* A pole ( $\phi 12$ ) is not included in OP-88106.



aih\_d32h\_88104\_dimension\_01.gif

AI-H100/AI-H160/AI-D32H/OP-88104



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■ AI-H100/H160 + AI-D32H + OP-88105

