



## IV4-G600CA

Compact model sensor head Wide field of view model Color



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

## Specifications

|                          |                           |                                                                                                                                                |
|--------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                    |                           | IV4-G600CA                                                                                                                                     |
| Type                     |                           | Wide field of view model                                                                                                                       |
| Installed distance       |                           | From 50 mm 1.97"                                                                                                                               |
| Field of view            |                           | Installation distance 50 mm 1.97": 51 (H) × 38 (V) mm to<br>Installation distance 3000 mm 118.11": 2730 (H) × 2044 (V) mm<br>(reference value) |
| Image receiving element  | Type                      | 1/2.9 inch color CMOS                                                                                                                          |
|                          | Number of pixels          | 1280 (H) × 960 (V)                                                                                                                             |
| Focus adjustment         |                           | Auto *1                                                                                                                                        |
| Exposure time            |                           | 12 μs to 9 ms *2                                                                                                                               |
| Lights                   | Illumination              | White LED                                                                                                                                      |
|                          | Lighting method           | Switchable between pulse and continuous lighting                                                                                               |
| Indicators               |                           | 2 indicators (both displaying same content)                                                                                                    |
| Power supply             | Average power consumption | 2.5 W (without AI imaging illumination unit installed)<br>6.6 W (with AI imaging illumination unit installed)                                  |
|                          |                           |                                                                                                                                                |
| Environmental resistance | Enclosure rating          | IP67 *3                                                                                                                                        |
|                          | Ambient temperature       | 0 to +50°C 32 to +122°F (no freezing) *4                                                                                                       |
|                          | Relative humidity         | 85% RH or less (no condensation)                                                                                                               |
|                          | Vibration resistance      | Frequency: 10 to 500 Hz;<br>Power spectral density: 0.816 G <sup>2</sup> /Hz; X, Y and Z directions                                            |
|                          | Shock resistance          | 500 m/s <sup>2</sup> 1640.4 ft/s <sup>2</sup> 3 times in each of 6 directions                                                                  |
| Material                 |                           | Main unit case: Zinc die-casting. Front cover: Acrylic. Operation indicator cover: TPU *5                                                      |
| Weight                   |                           | Approx. 75 g 2.65 oz (no AI imaging illumination unit)<br>Approx. 225 g 7.94 oz (with AI imaging illumination unit)                            |

\*1 Focus position can be automatically adjusted during installation. It cannot be adjusted while running. Focus position can be registered separately for each program.

\*2 Maximum exposure time is 500 ms only when lighting is set to OFF.

\*3 Except when polarizing filters (OP-88642/OP-88643/OP-88646/OP-88647) are installed.

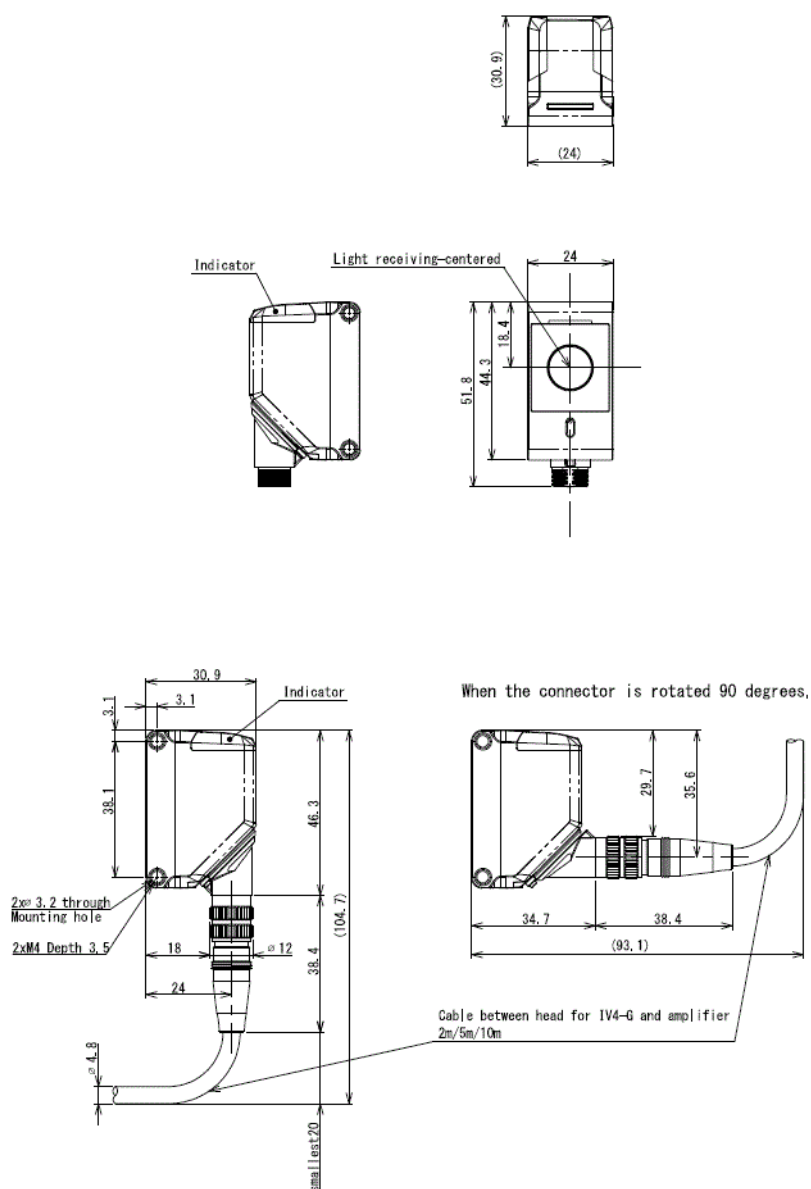
\*4 When the operating ambient temperature exceeds 40°C 104°F, install in accordance with KEYENCE instructions, taking appropriate measures for heat dissipation to ensure that the case temperature does not exceed the rated 65°C 149°F. For the case temperature, measure the side with the "IV4 series" label.

\*5 ESD safe and IEC61340-5-1 compliant.

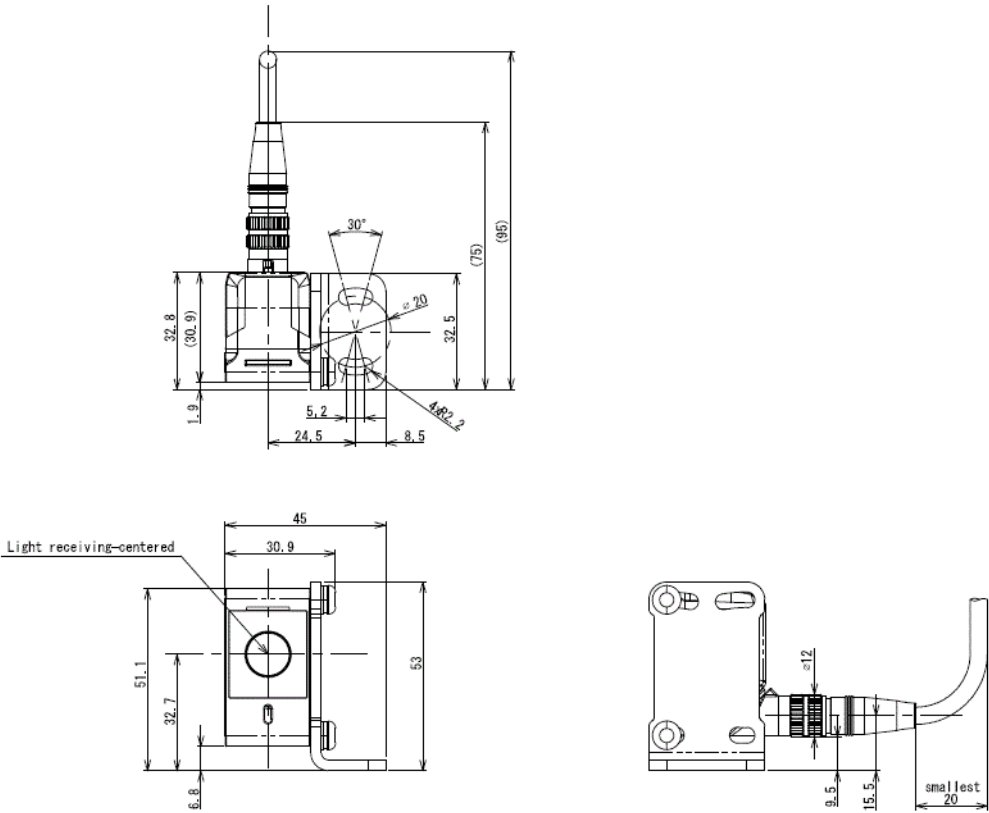
## Dimensions

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

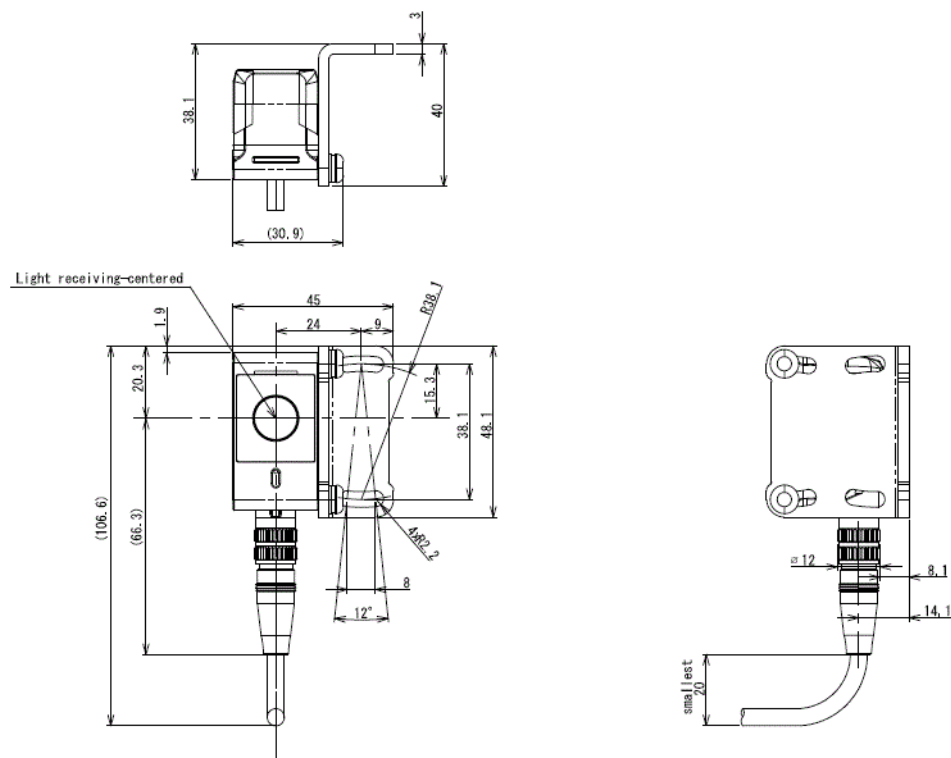
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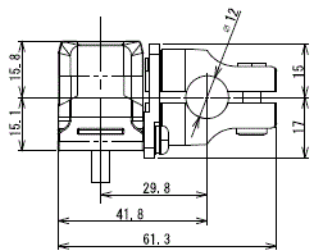
IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-87908



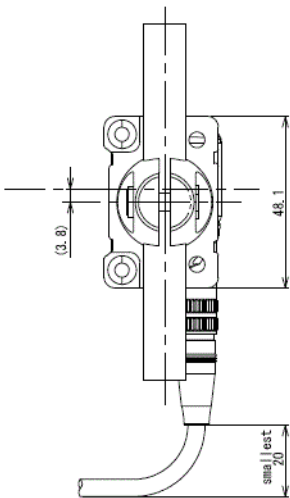
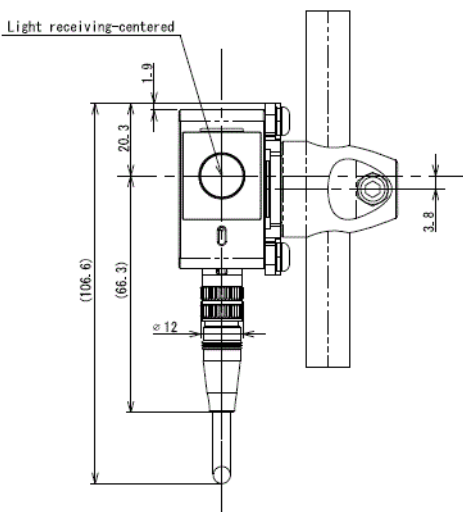
IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-87909



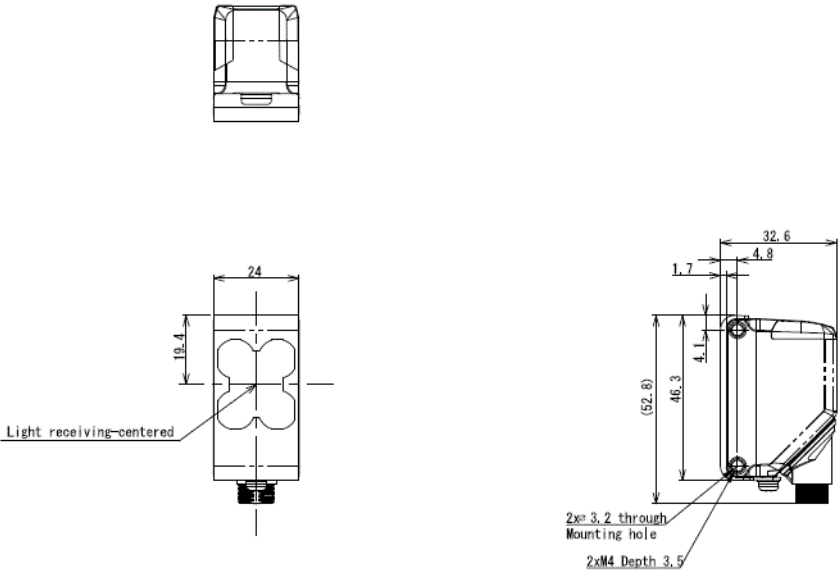
IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-87910



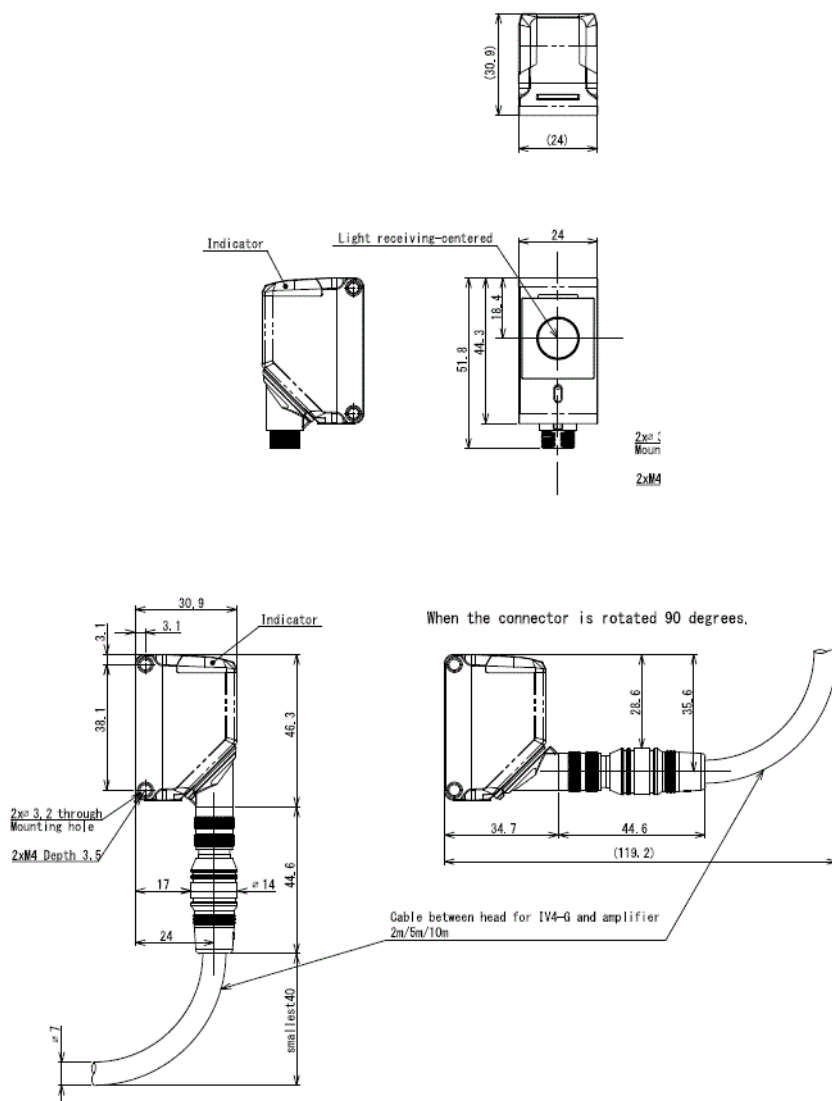
A support pipe of  $\phi 12$  is not included in OP-87910.



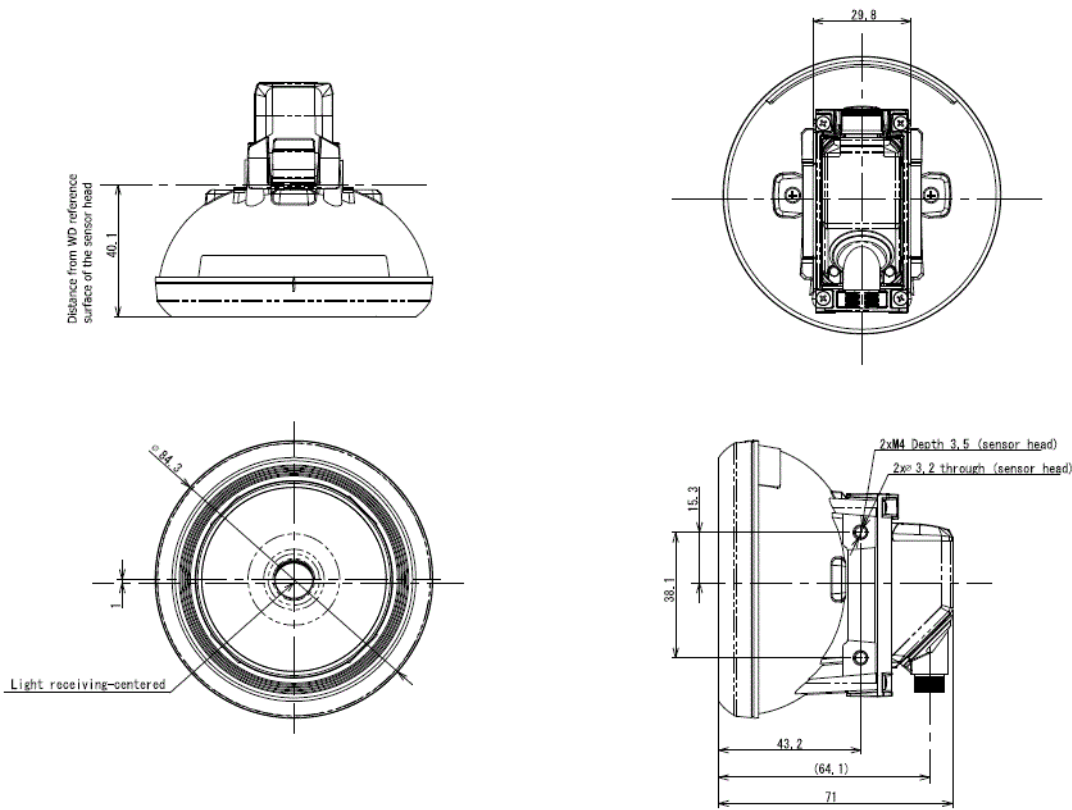
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OP-88642/88643



IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-88962/OP-88963/OP-88964/OP-88965

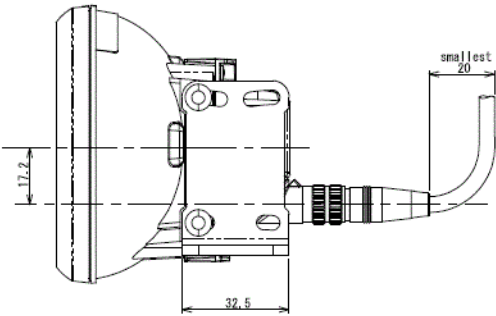
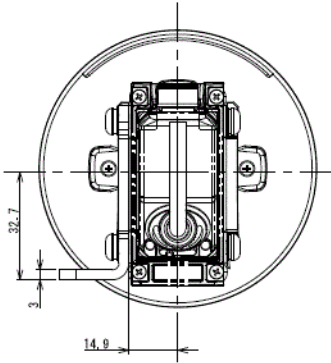
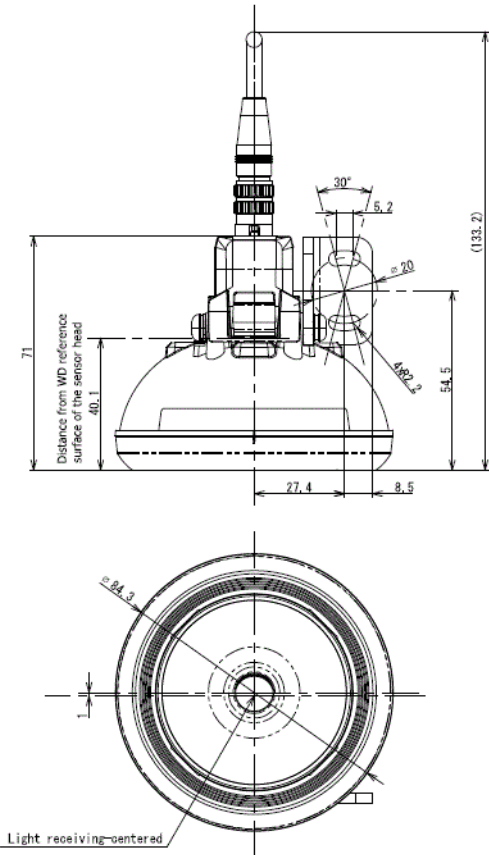


IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD05

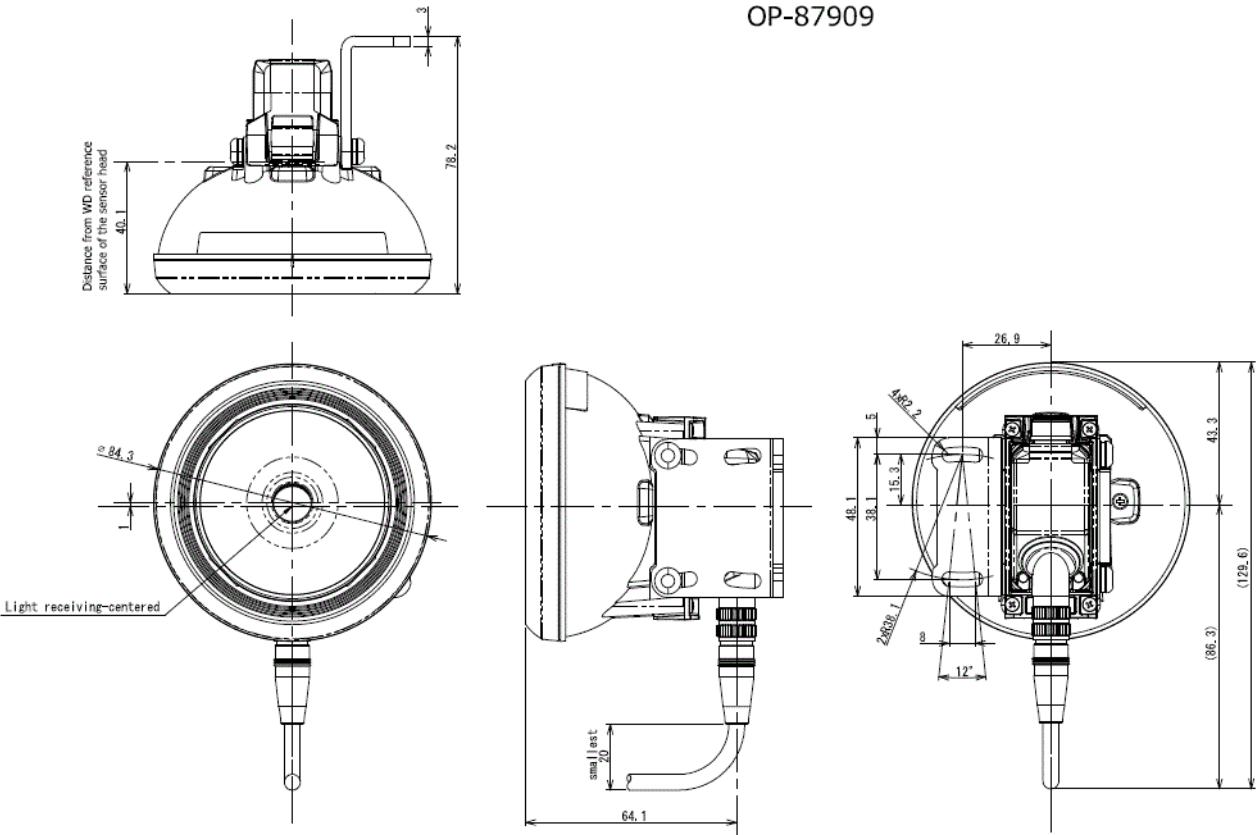




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IV2-GD05  
OP-87908

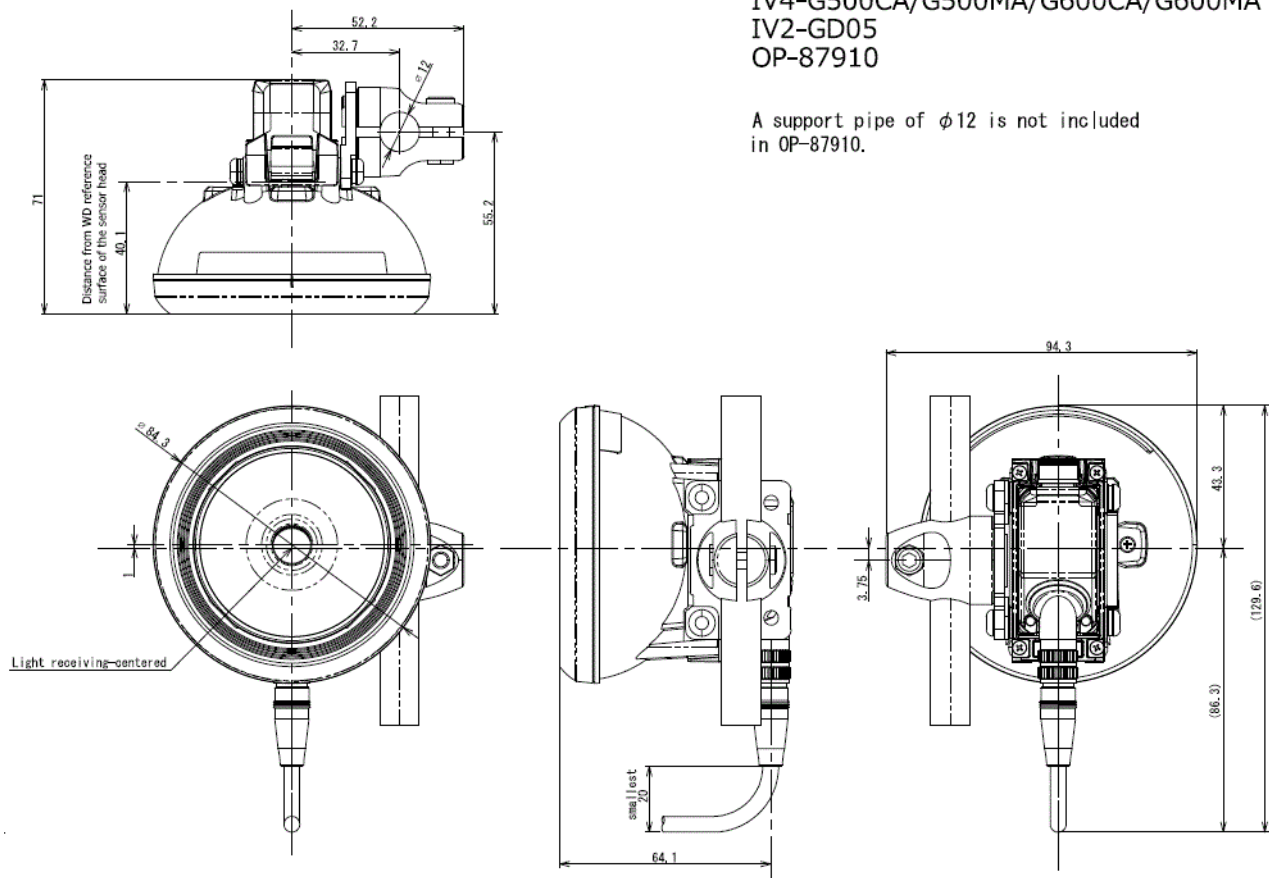


IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD05  
OP-87909

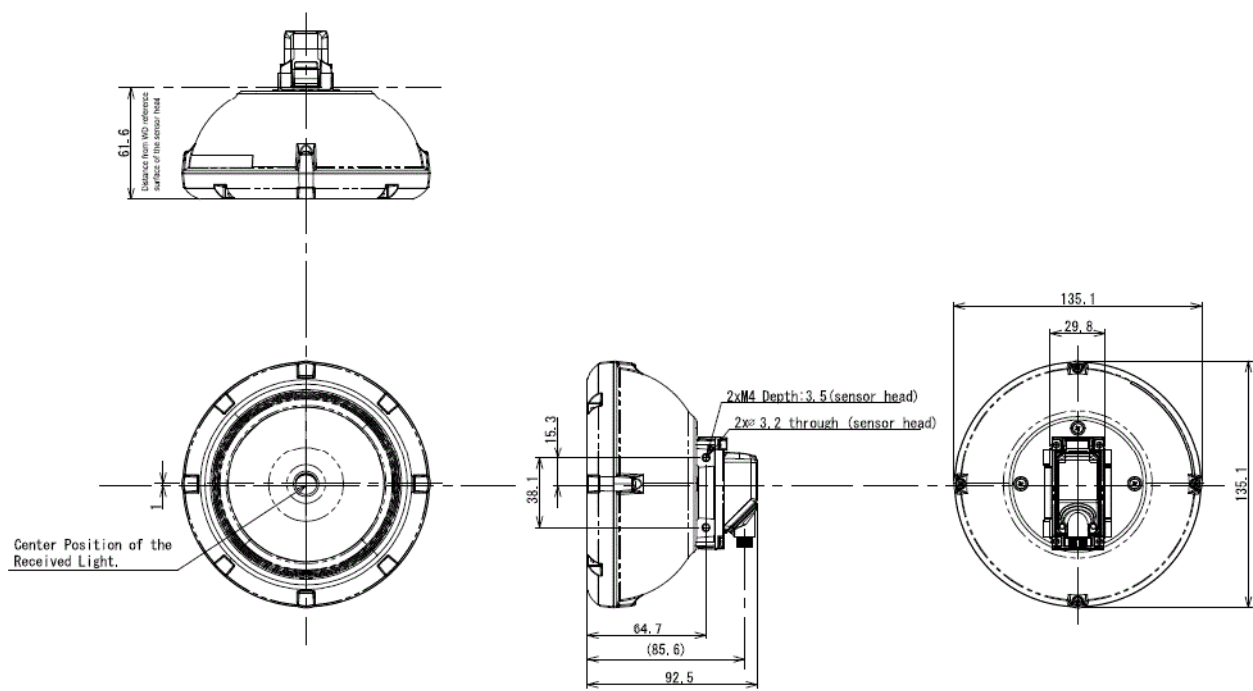


IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD05  
OP-87910

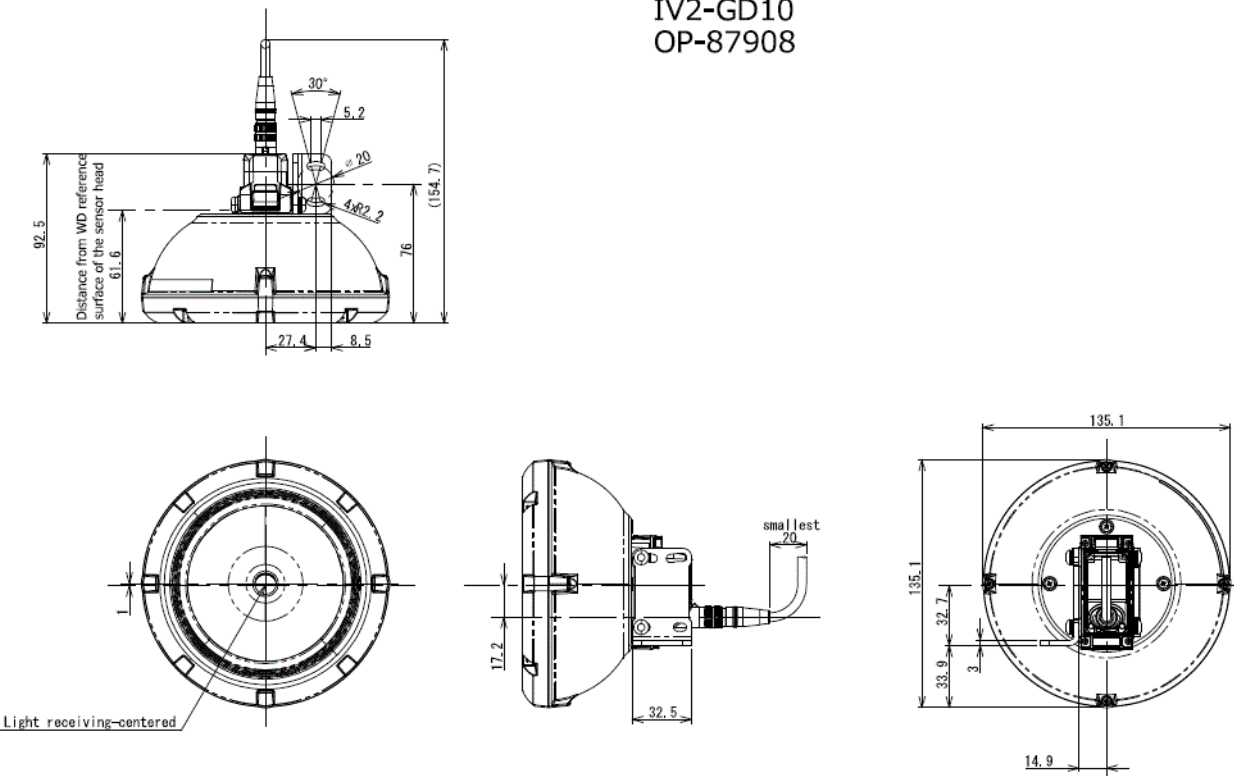
A support pipe of  $\phi 12$  is not included  
in OP-87910.



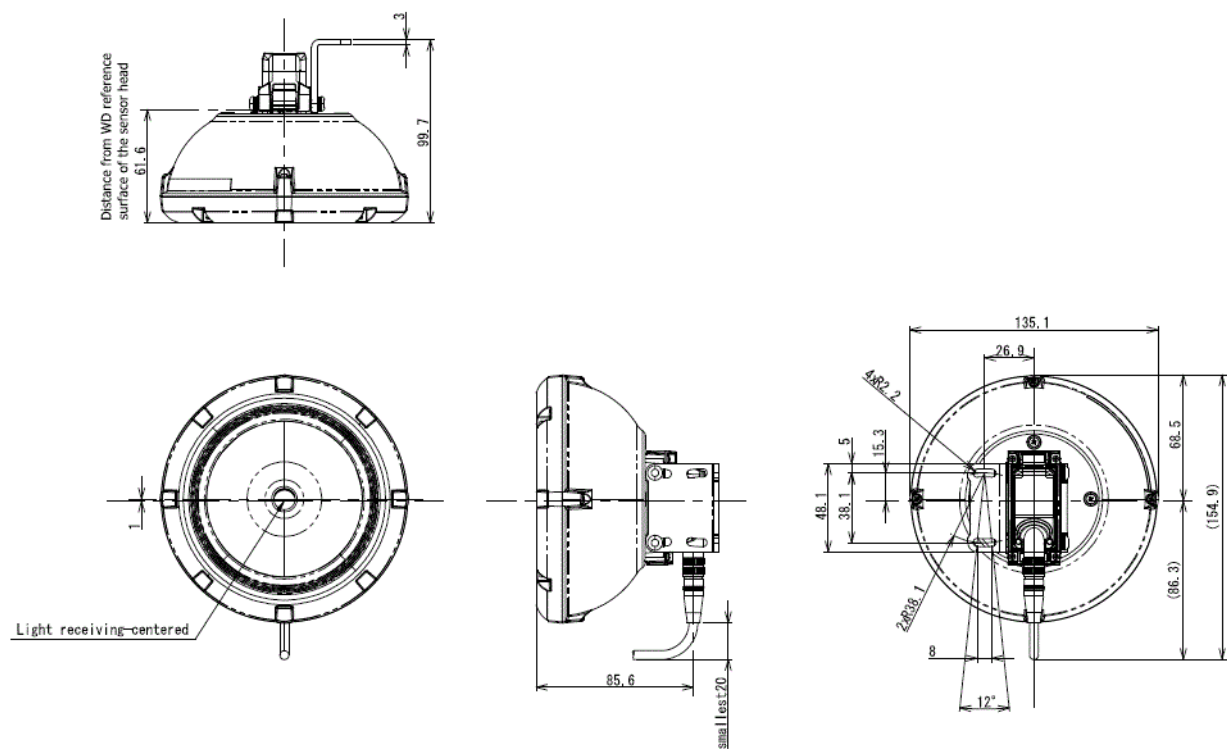
IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD10



IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD10  
OP-87908

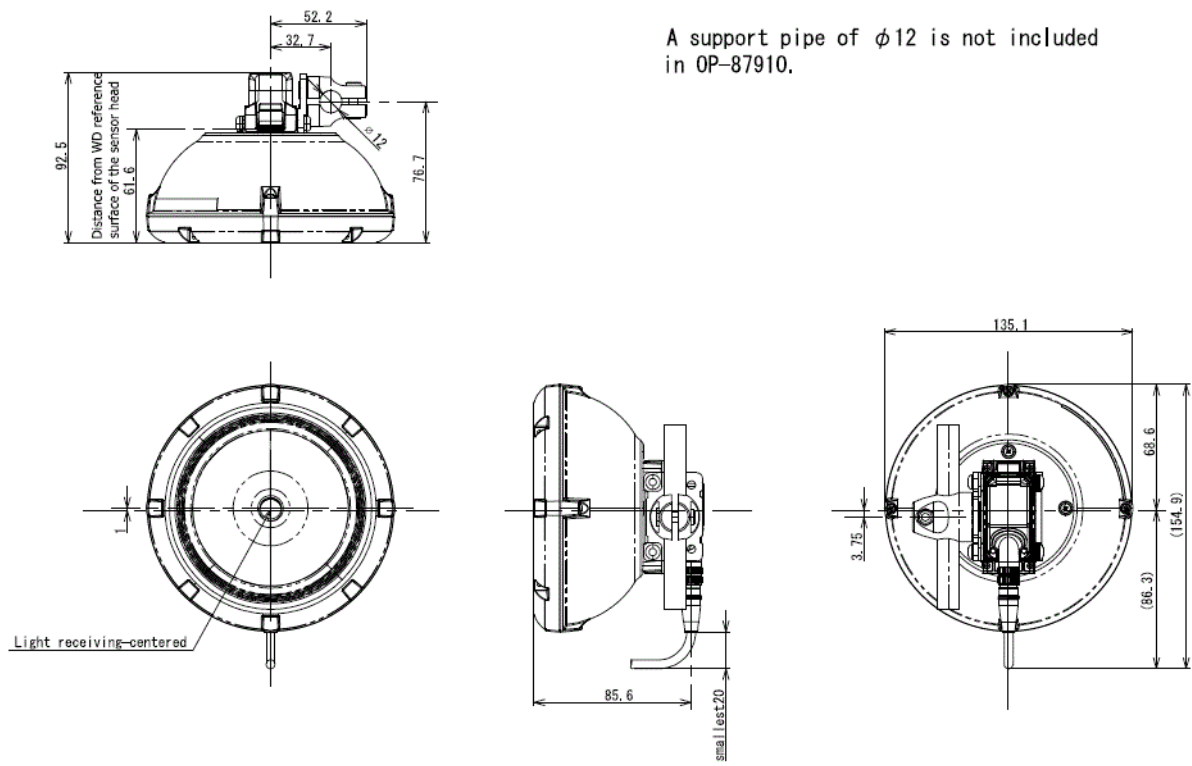


IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD10  
OP-87909

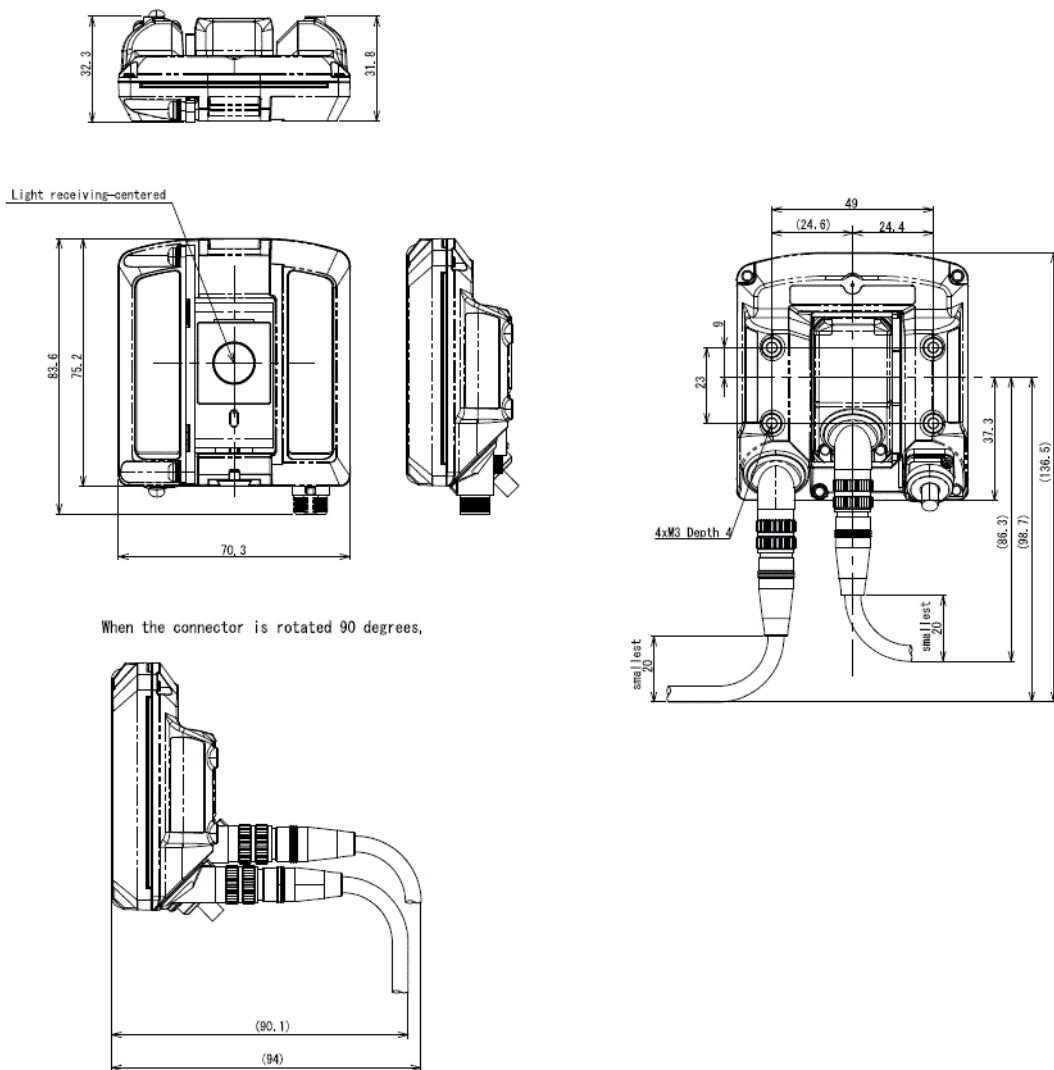


IV4-G500CA/G500MA/G600CA/G600MA  
IV2-GD10  
OP-87910

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in OP-87910.

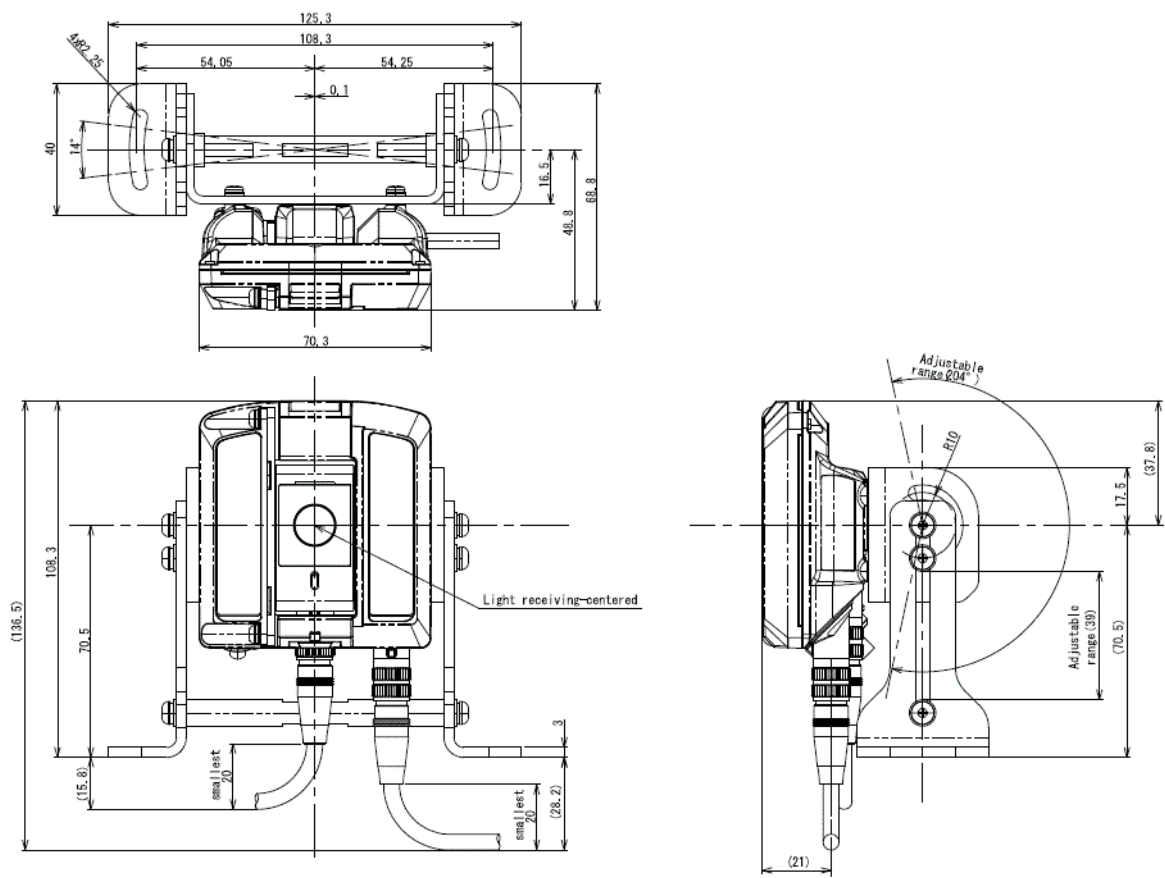


IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
IV4-LG4C/LG4M/LG5C/LG5M/LG6C/LG6M



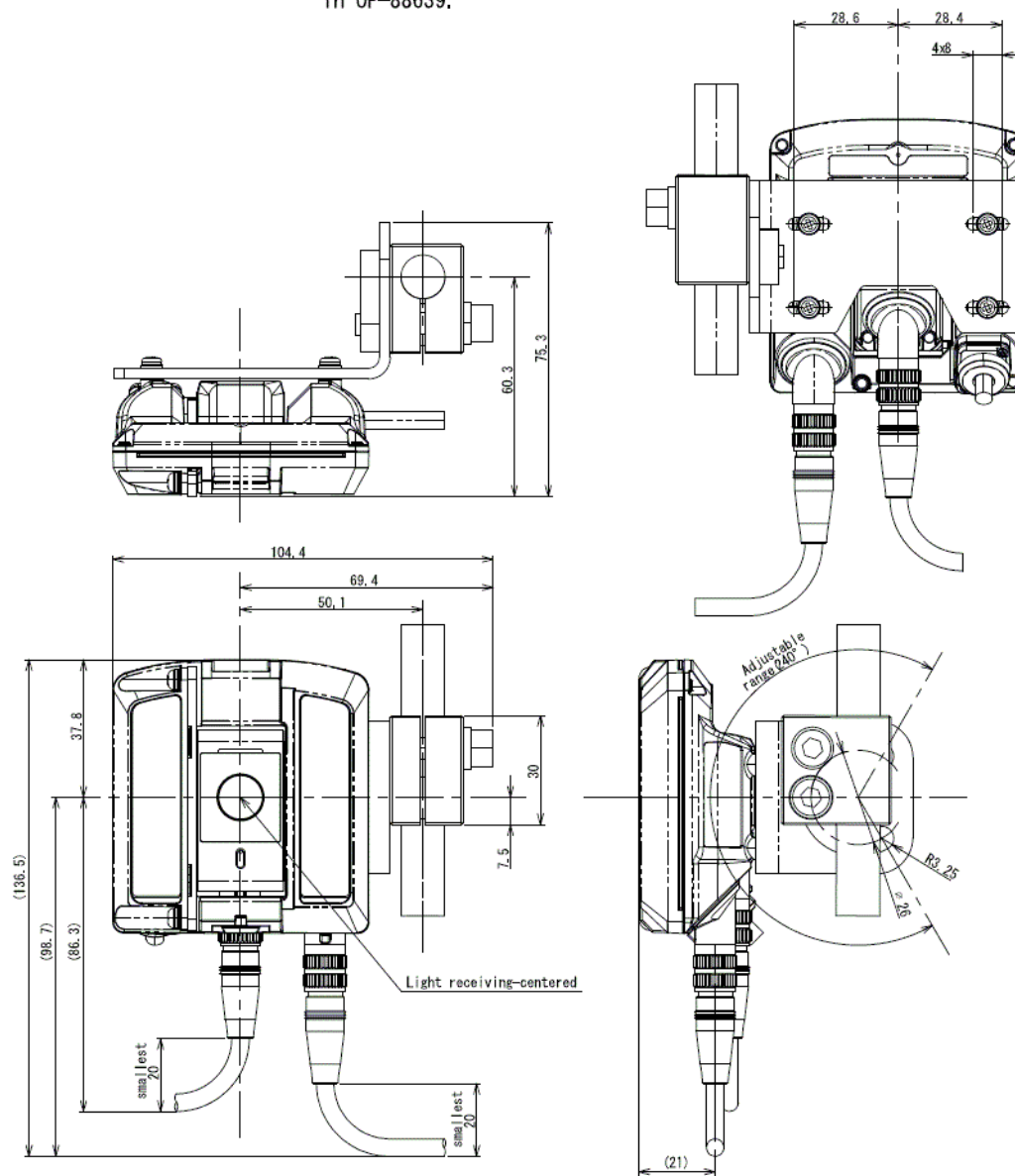


IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
IV4-LG4C/LG4M/LG5C/LG5M/LG6C/LG6M  
OP-88638

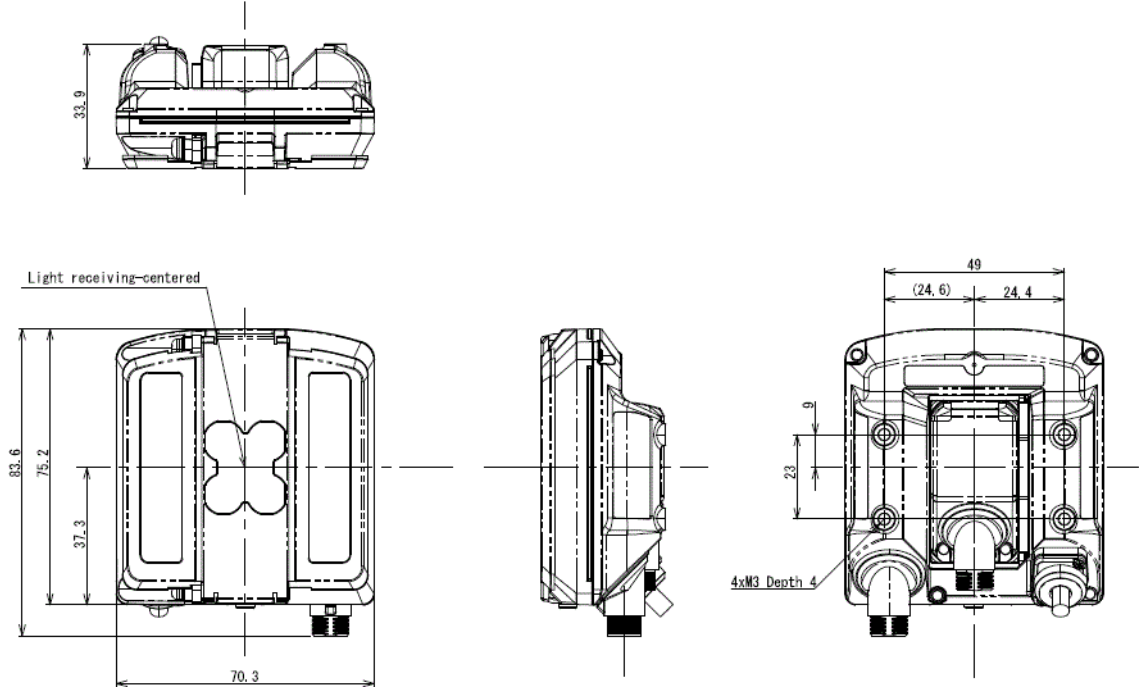


IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
 IV4-LG4C/LG4M/LG5C/LG5M/LG6C/LG6M  
 OP-88639

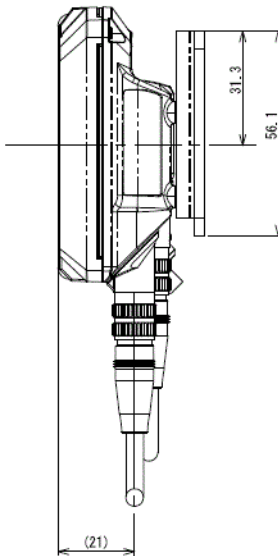
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 in OP-88639.



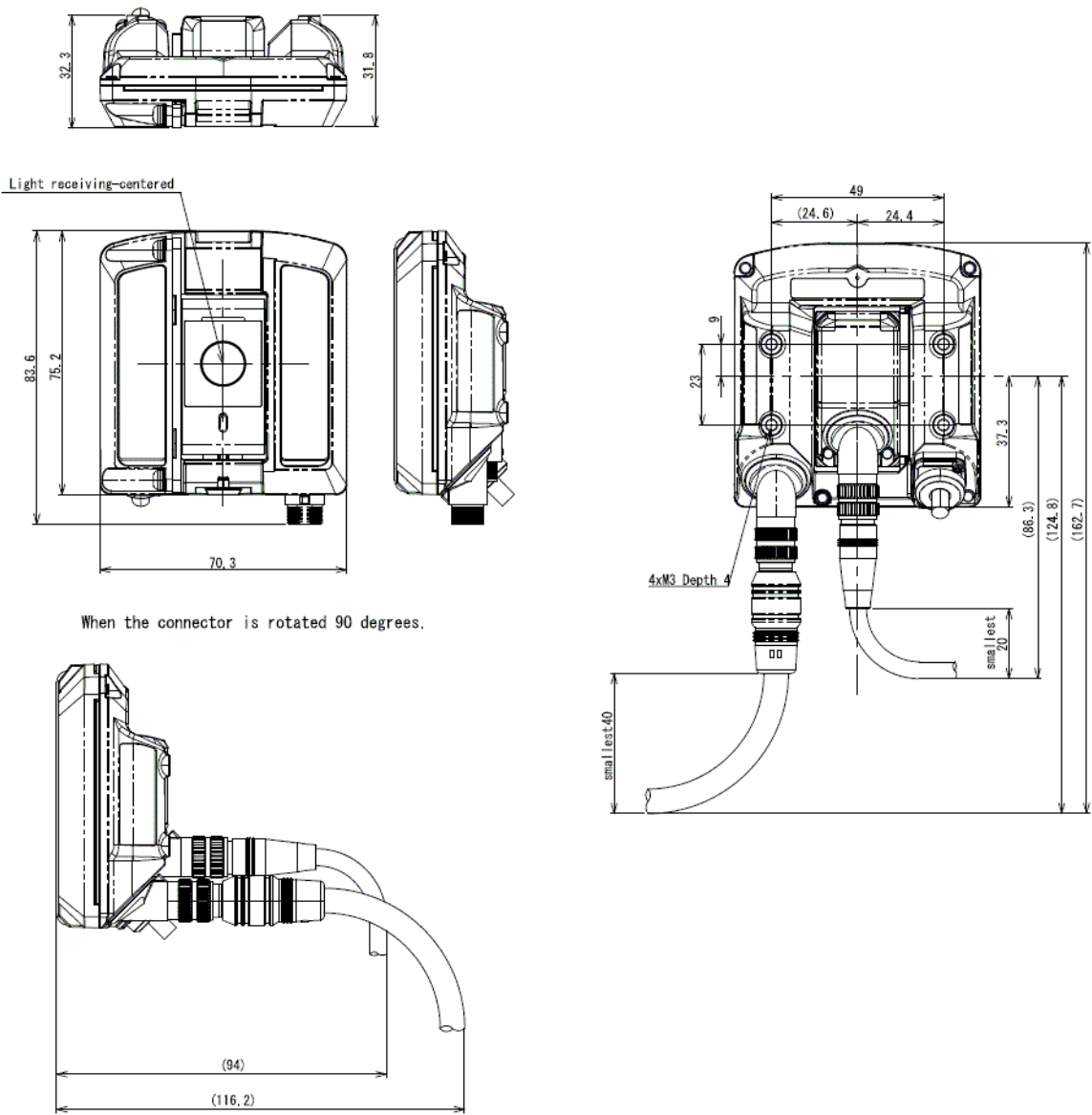
IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
IV4-LG4C/LG4M/LG5C/LG5M/LG6C/LG6M  
OP-88646/88647



OP-88911

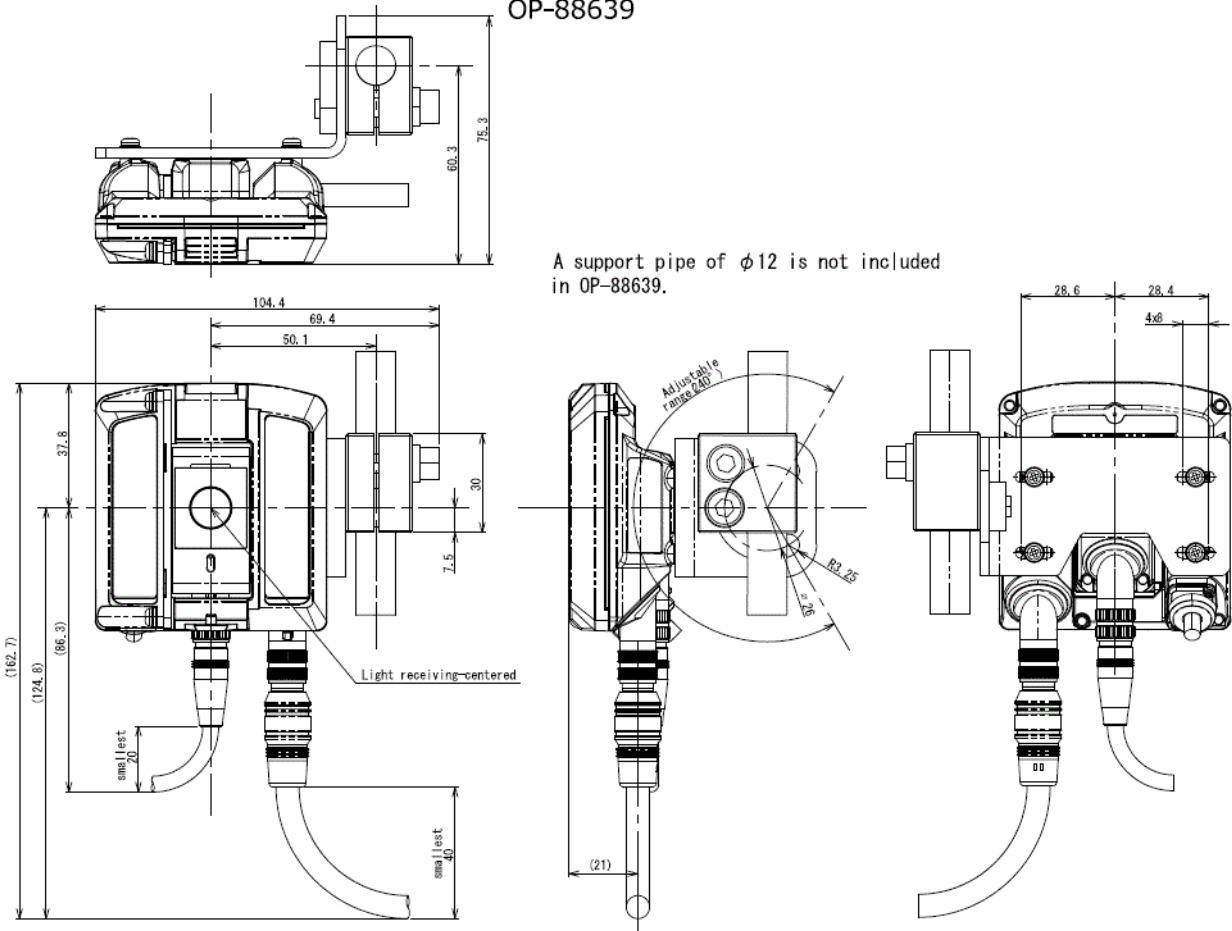


IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
IV4-LG4C/LG4M/LG5C/LG5M/LG6C/LG6M  
OP-88962/OP-88963/OP-88964/OP-88965

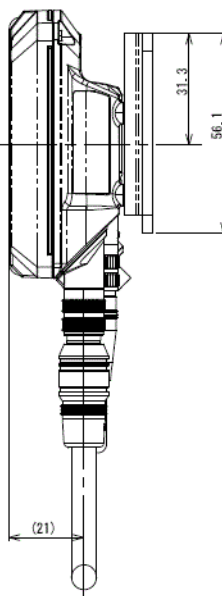




IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
IV4-LG4C/LG4M/LG5C/LG5M/LG6C/LG6M  
OP-88962/OP-88963/OP-88964/OP-88965  
OP-88639

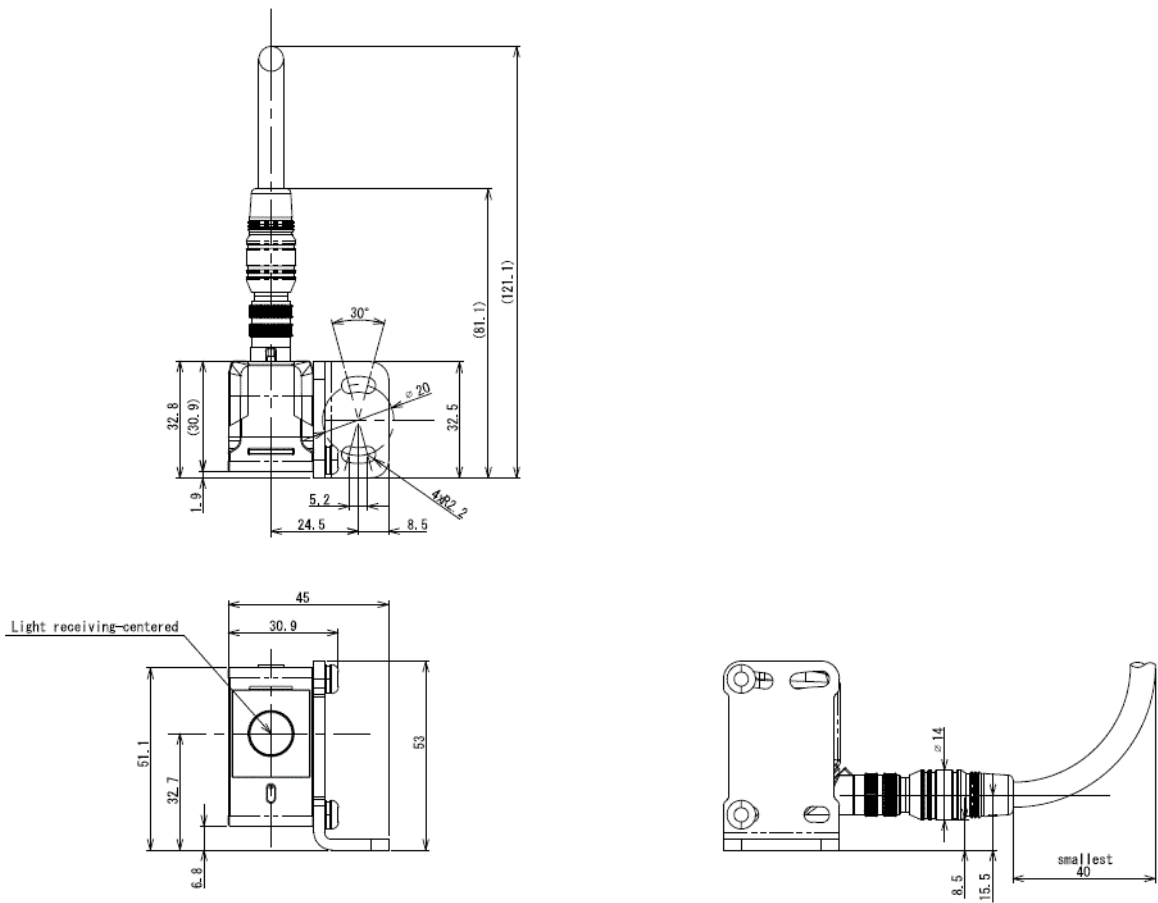


OP-88911

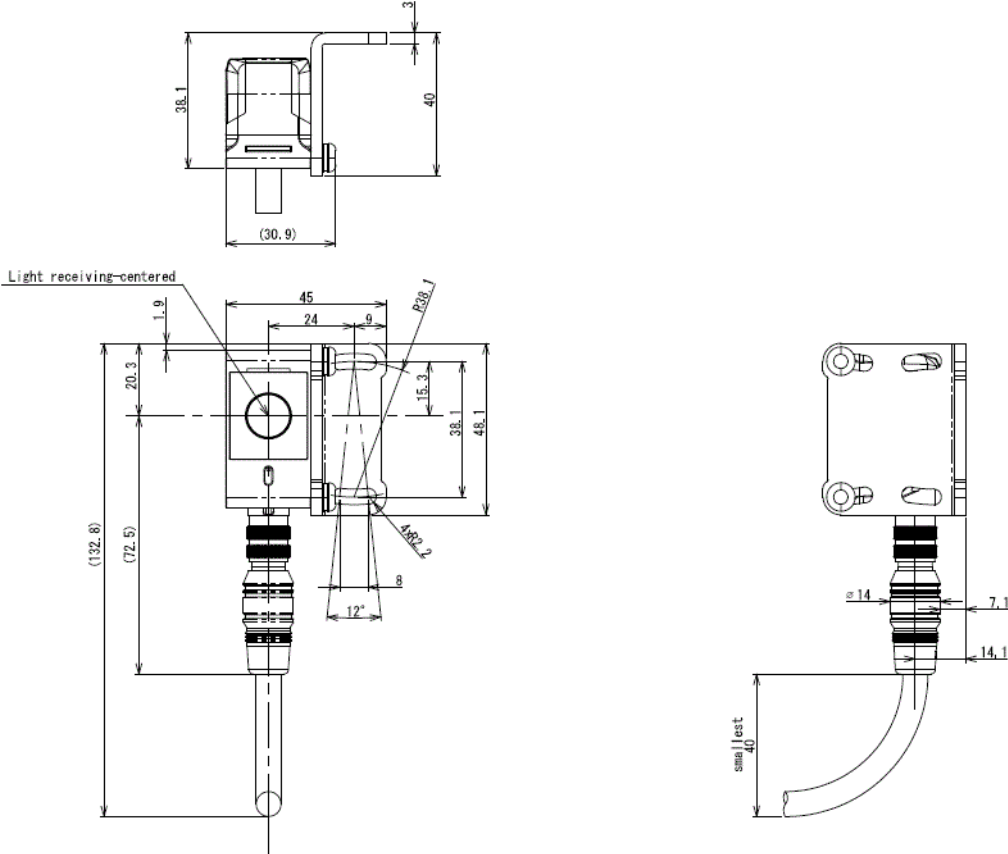




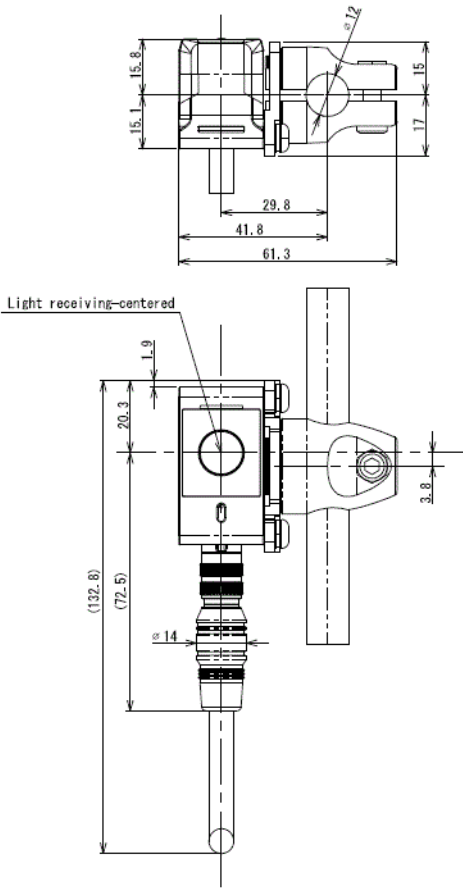
IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-88962/OP-88963/OP-88964/OP-88965  
OP-87908



IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-88962/OP-88963/OP-88964/OP-88965  
OP-87909



IV4-G400CA/G400MA/G500CA/G500MA/G600CA/G600MA  
OP-88962/OP-88963/OP-88964/OP-88965  
OP-87910



A support pipe of  $\phi 12$  is not included in OP-87910.

