

# M2514-SW

f=25mm F/1.4

for 2/3 type SWIR (800nm~1700nm) Cameras

C-Mount

|                                 |               |                       |                    |                       |                 |                       |
|---------------------------------|---------------|-----------------------|--------------------|-----------------------|-----------------|-----------------------|
| Model No.                       | M2514-SW      |                       | Effective          | Front                 | φ 17.8mm        |                       |
| Focal Length                    | 25mm          |                       | Lens Aperture      | Rear                  | φ 12.0mm        |                       |
| Max. Aperture Ratio             | 1:1.4         |                       | Distortion         | 2/3type               | -0.5% (y=5.5)   |                       |
| Max. Image Circle               | φ 12.3mm      |                       |                    | 1/2type               | -0.2% (y=4.0)   |                       |
| Operation Range                 | Iris          | F1.4 - F16C           | Back Focal Length  |                       | 13.4mm          |                       |
|                                 | Focus         | 0.3m - Inf.           | Flange Back Length |                       | 17.526mm        |                       |
| Control                         | Iris          | Manual                | Mount              |                       | C-Mount         |                       |
|                                 | Focus         | Manual                | Filter Size        |                       | M30.5 P=0.5mm   |                       |
| Object Dimension at M.O.D       | 2/3 type      | 10.5cm x 7.8cm        | Dimensions         |                       | φ 33.5mm x 36mm |                       |
|                                 | 1/2 type      | 7.6cm x 5.7cm         | Weight             |                       | 71.2g           |                       |
| Angle of View                   | D             | 2/3 type              | 24.7°              | 1/2 type              | 18.1°           |                       |
|                                 | H             | H8.80mm x V6.60mm     | 19.8°              | H6.40mm x V4.80mm     | 14.5°           |                       |
|                                 | V             |                       | 14.9°              |                       | 10.9°           |                       |
| Angle of View (InGaAs Detector) | D             | 640 x 512             | 27.6°              | 320 x 256             | 23.0°           | 320 x 256             |
|                                 | H             | (Pixel Pitch : 15 μm) | 21.6°              | (Pixel Pitch : 25 μm) | 18.1°           | (Pixel Pitch : 20 μm) |
|                                 | V             | H9.60mm x V7.68mm     | 17.3°              | H8.00mm x V6.40mm     | 14.5°           | H6.40mm x V5.12mm     |
| Operating Temperature           | -10°C - +50°C |                       |                    |                       |                 |                       |

M.O.D : Minimum Object Distance

## Dimensions

