

### ▪ Features

- For photographing in the ultraviolet light range.
- No focus correction required at the time of photographing UV when you focus under visible light.
- High transmittance rate (approx. 70%) in the wide range of high wavelength 220nm – 900nm.
- Minimal distortion at the magnification  $\infty - 0.5x$ .
- RoHS compliant.

### ▪ Applications

- Combustion study
- Plasma study
- Electric discharge study

## UV105mm-F4.5

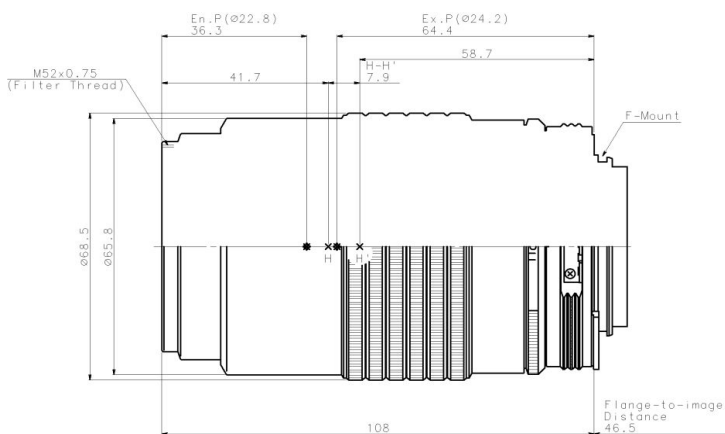


### Specifications

|                          |                            |
|--------------------------|----------------------------|
| Model                    | PF10545MF-UV               |
| Focal length             | 105.2mm                    |
| F Number ( $\infty$ )    | F4.5                       |
| NA (Diaphragm open)      | 0.037                      |
| Magnification scale      | -                          |
| Magnification range      | $\infty \sim -0.5x$        |
| Reference wavelength     | 546.07nm(e-line)           |
| Wavelength range         | 220~900nm                  |
| Picture angle            | 23.3°                      |
| Image size               | 43.6mm $\phi$              |
| Object Size              | 87.2mm $\phi$ (-0.5x)      |
| Distortion               | -0.25~-0.07%               |
| Relative illumination ※1 | 51.4%                      |
| Aperture scale           | 4.5,5,6,8,11,16,22,32      |
| Object-to-image distance | $\infty \sim 481.2$ mm     |
| Working distance         | $\infty \sim 273.9$ mm     |
| Mount size               | F Mount                    |
| Flange-to-image distance | 46.5mm                     |
| Back focus               | 87.1~139.7mm               |
| Attachment size          | M52(P=0.75)                |
| Diameter/length          | 68.5mm $\phi$ × 116.5mm ※2 |
| Weight                   | Approximately 515g         |

※1 Data : Magnification at 0.5x

※2 108mm from the mount surface.



- Specifications unless any specific instructions are stated is at the standard magnification.
- Specifications are subject to change without prior notice.

For further queries, please contact ;  
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