

Nikon Rayfact

Tochigi Nikon Industrial Lens

TOCHIGI NIKON CORPORATION
Marketing Sec.
Industrial Equipment Dept.

▪ 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

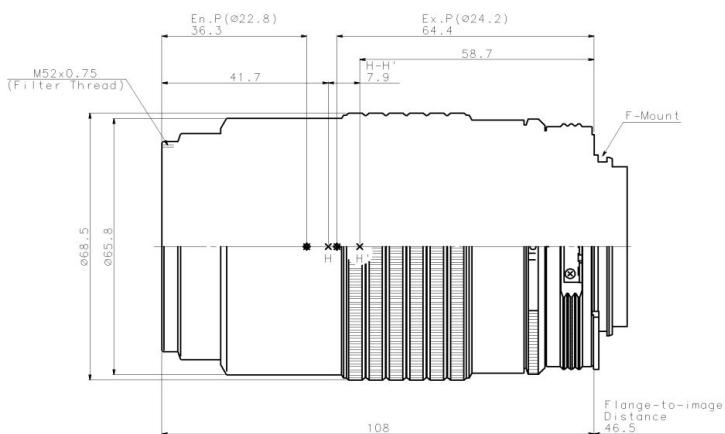


Specifications

| | |
|--------------------------|----------------------------|
| Model | PF10545MF-UV |
| Focal length | 105.2mm |
| F Number (∞) | 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 ϕ |
| Object Size | 87.2mm ϕ (-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 ϕ × 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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