



# 100 mm F/2.8 CERCO®



## UV LENSES

- LARGE APERTURE, HIGH TRANSMISSION DOWN TO 250 nm
- F-MOUNT (C-MOUNT ADAPTER IN OPTION)
- SPECIALLY SUITED FOR HIGH SPEED CAMERA AND IMAGE INTENSIFIER
- FOR COMBUSTION ANALYSIS, FORENSICS, CORONA DETECTION, BIOLOGICAL CHARACTERISATION

# UV 100 mm

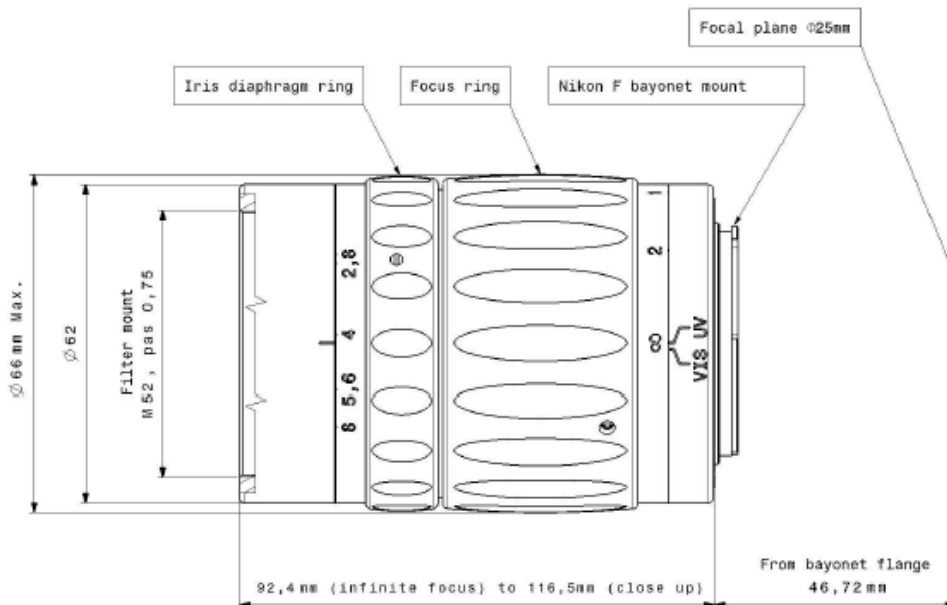
## TECHNICAL SPECIFICATIONS

### Main features

Focal length	98.0 mm
F stop (manual operating)	F/2,8 to F/8
Manual focus	Infinity to 45 cm
Field of view	14,5° diagonal
Picture size (mm)	Ø 25 mm
Spectral range	Optimization range: 250 nm to 410 nm Full usable range: 220 nm to 900 nm
Transmission in UV range	90% inside 250 nm to 410 nm
Standard anti reflective coating	Multi layer 220 nm to 480 nm
Optical design	6 lenses made of synthetic fused silica and UV grade mono-crystal calcium fluoride
MTF at F/2.8, UV range 240-410 nm for 30 lp/mm	20% inside Ø 18 mm, 15% Ø 25 mm
Relative radial distorsion at 1/10 magnification	<0.2% at full field

### Mechanical Characteristics

Overall Length (mm)	97 mm (infinite focus) to 121 mm (close focus)
Overall Diameter (mm)	Ø 66 mm
Camera mount	Nikon F type bayonet C mount adapter available upon request
Front filter thread	M 52 x 0.75



*The 100F/2.8 UV lens type CERCOC® 2178 has been optimized for image capture in the UV range 250nm to 410 nm, with intensified high speed cameras. This UV lens is also usable on SLR camera in full manual mode from ultraviolet to near infrared wavelengths with a limited focus shift.*

## CONTACT

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