

100 mm F/2.8 CERCO®

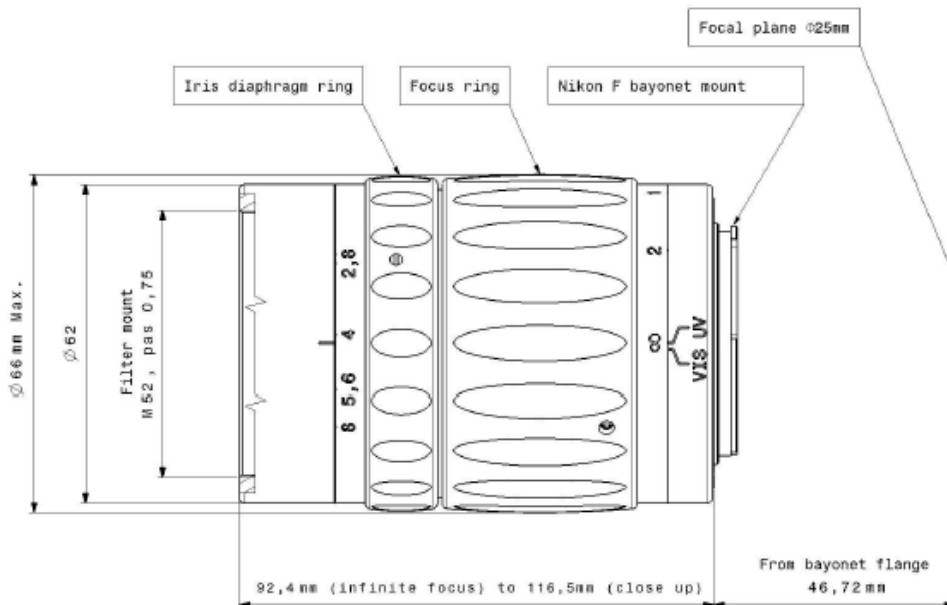


UV LENSES

- LARGE APERTURE, WIDE FIELD
- CUSTOM MADE LENSES FOR ANY APPLICATIONS
- VISION WITH INTENSIFIED CCD CAMERA
- FOR COMBUSTION ANALYSIS, FORENSICS, LIGHTNING DETECTION, BIOLOGICAL CHARACTERISATION

UV 100 mm

TECHNICAL SPECIFICATIONS	
Main features	
Focal length	98.0 mm
F stop (manual operating)	F/1,8 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, UV range 240-410 nm	30% for 60 lines/mm, at F/2.8, inside Ø 15 mm
MTF, near UV and visible, with CCD or APS sensors	30% for 100 lines/mm, at F/4.0, inside Ø 20 mm
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® 2073 has been designed for image capture in the UV range 250nm to 410 nm, with intensified CCD video cameras. This UV lens is also usable on SLR camera in full manual mode from ultraviolet to near infrared wavelengths.

CONTACT

SODERN

Email : sales-department@sodern.fr

Phone : + 33 1 45 95 70 00

SODERN

20 Avenue Descartes

94450 Limeil-Brevannes, France

www.sodern.com