

45 mm F/1.8 CERCO®

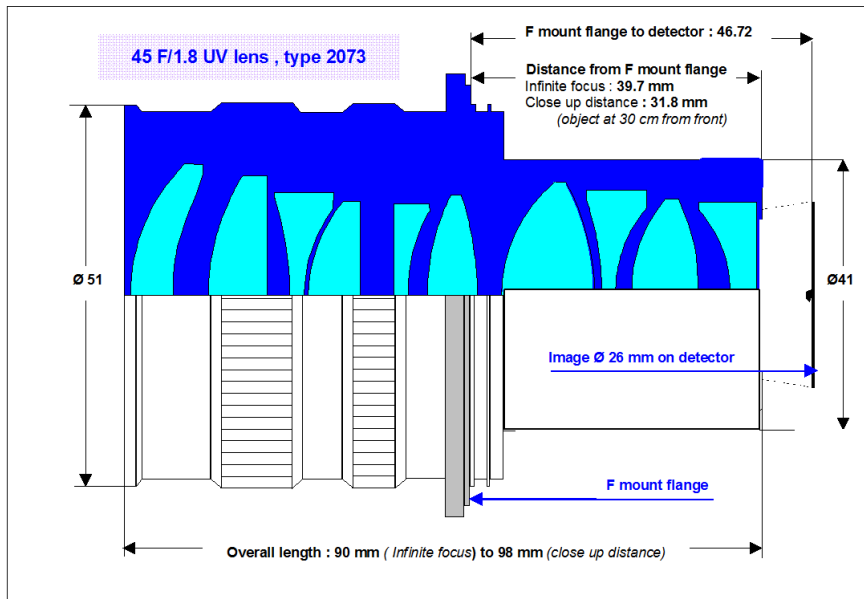


UV LENSES

- LARGE APERTURE, WIDE FIELD
- CUSTOM MADE LENSES FOR ANY APPLICATIONS
- TO BE USED WITH INTENSIFIED CAMERA IN COMBUSTION ANALYSIS, BIOLOGICAL CHARACTERISATION, FORENSICS

UV 45 mm

TECHNICAL SPECIFICATIONS	
Main features	
Focal length	45.5 mm
F stop	F/1.8 to F/16
Focusing range	300 to infinity
Picture size (mm)	25
Field of view	30° diagonal
Spectral range (nm)	220-290 nm
Transmission in UV range	85% (250nm-400nm)
Standard anti reflective coating	Multi layer 220nm-480nm
Optical design	10 lenses, made of synthetic fused silica and UV grade mono-crystal calcium fluoride
MTF, UV range 240-410 nm	30% for 40 lines/mm, F/1.8, image Ø 17 mm 30% for 80 lines/mm, F/3.5, image Ø 17 mm
Mechanical Characteristics	
Overall Length (mm)	90 (infinity) to 98 (close focus) mm
Overall Diameter (mm)	51 front, 41 mm rear
Camera mount	Nikon F bayonet
NB: the lens is not compatible with digital or film SLR camera or with C mount camera	



The **45 F/1.8 UV lens type CERCO® 2073** has been designed for intensified CCD video cameras with UV photocathode (diameter 18 or 25 mm). This UV lens achieves the best luminous efficiency for ultraviolet imaging, thanks to its F/1.8 aperture and multilayer antireflective coatings.