

Sodern's UV lenses have been especially designed for use over 250 nm to 450 nm with intensified cameras allowing capture of both low intensity image and quick phenomena over large sensitive areas.

They operate with a large aperture and over a wide field of view to fulfil specific UV imaging needs:

- Combustion analysis;
- Detection of organic material for forensic purposes or surface contamination analysis;
- Detection of electric lightning;
- Vegetation multispectral analysis;
- Bioluminescent or fluorescent phenomena observation.

They truly are high-end products which can effectively cope with the most difficult UV imaging needs. Their unrivalled performances have led them to be the preferred choice of many Academic and Industrial Research Centers in Europe, in Asia and North America with a large heritage of over 400 units.

	28 mm F/3.5 CERCO® 1990	45 mm F/1.8 CERCO® 2073	100 mm F/2.8 CERCO® 2178
Image Format	Ø 25 mm	Ø 25 mm	Ø 25 mm
Focus	Infinity to 25 cm	Infinity to 30 cm	Infinity to 45 cm
Aperture	F/3.5 to F/22	F/1.8 to F/32	F/2.8 to F/8
UV transmission 250 to 410 nm	> 90%	> 85%	> 90%
Image resolution in UV band	MTF 40 % @ 40 lp/mm	MTF 30 % @ 40 lp/mm	MTF 30 % @ 50 lp/mm
Length	36 to 40 mm	90 à 97 mm	97 to 121 mm
Diameter	Ø 37.5 mm	Ø 52 mm	Ø 66 mm
Camera Mount	C mount	Nikon F bayonet	Nikon F bayonet
Front filter mount	M 32 x 0.5	M 42 x 0.75	M 52 x 0.75
Accessories	-	UV band pass filter	F to C mount adapter & UV pass band filter
Storage Temperature	Minus 20 ° to 60 °	Minus 20 ° to 60 °	Minus 20 ° to 60 °
Operating Temperature	0° to +40 °	0° to +40 °	0° to +40 °



28 mm



45 mm



100 mm

We can produce custom made UV lenses for any applications. Do not hesitate to contact us for information.