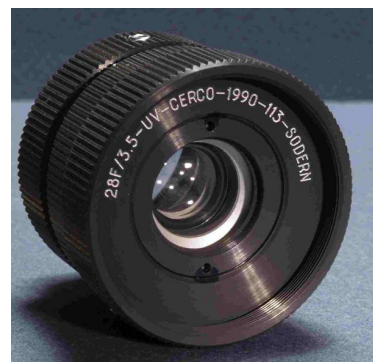


UV LENSES

The UV objective fore lens is optimized for the ultra-violet wavelength region, 200 - 410 nm. It is optimized for the optics of the Enhanced Series spectrograph, ImSpector UV4E.

Optical Characteristics	OLUV28
Focal Length	28.3 mm
F-number	3.5
Spatial Image Size (max)	18 mm
Transmission	> 75%
Minimum Working Distance *	25 cm

Mechanical Characteristics	
Dimensions	39.5 mm x ø 37.5 mm
Body Material	Anodized Aluminum
Mount	C-mount



Dimensions of Imaged Line (LxW) at Select Working Distances (D)

Field of View angle (degrees) **	L=	17.7
D = 300 mm [11.81 in]	W=	93.29
		0.32
D = 500 mm [19.69 in]	L=	155.48
	W=	0.53
D = 750 mm [29.53]	L=	233.22
	W=	0.80
D = 1000 mm [39.37]	L=	310.95
	W=	1.06
D = 1500 mm [59.06]	L=	466.43
	W=	1.59
D = 2000 mm [78.74 in]	L=	621.91
	W=	2.12
D = 3000 mm [118.11 in]	L=	932.86
	W=	3.18
D = 1 km [3280 ft] ***	L=	310.95
	W=	1.06

* Full field of view angle and sharp focus may not be achieved if distance is shorter than the given minimum working distance.

** Default slit width (50 µm) for UV4E ImSpector used for calculations. Standard 2/3" detector limits effective slit length to 8.8 mm.

*** Length and width at 1 km calculated in meters [m].

UV Lens Ordering Information

Part Number	Description	Product Name
MRC-308-004-01	UV Lens, C-Mount, 28mm, f/3.5 (200 - 410 nm)	OLUV28