

UV Lens Enhanced

LaVision offers a new fully integrated UV lens with outstanding transmission. The lens can be operated as easy as any normal manual photographic lens with a very robust design.



Specification

Focal length	98 mm
f-number	2.8 - 8
Usable wavelength	220 - 900 nm
Optimized wavelength	250 - 410 nm (T>90%)
Working distance	40 cm - infinity
MTF in optimized wavelength range	30% for 60 lines/mm, F/2.8, inside Ø 15 mm
Image format	Ø 25 mm
Mount	f-mount (Nikon bayonet)
Filter	M52 filter thread

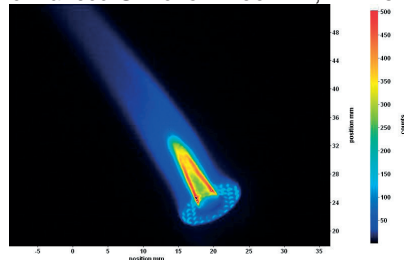
Light transmission test

The light transmission test compares the new enhanced UV lens to the traditionally used UV Nikkor lens, both with the aperture opened to maximum. The new enhanced UV lens shows **3x more light** compared to the UV Nikkor lens.

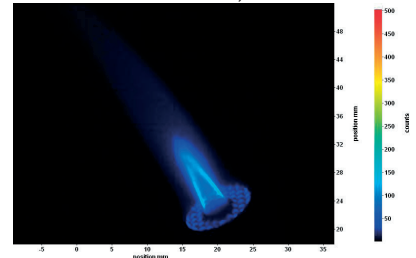
Conditions

Signal	flame luminosity at 308 nm
Camera	LaVision Imager
Image intensifier	LaVision IRO 25mm, S20 photocathode
Gain voltage	60%
Exposure time	500 µs
UV filter	bandpass

enhanced UV lens f=100 mm, f#=2.8



UV Nikkor f=105 mm, f#=4.5



Data provided by LaVision is believed to be true. However, no responsibility is assumed for possible inaccuracies or omissions. All data are subject to change without notice.

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Ordering information

Part number	Description
1108627	Enhanced UV lens

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