

Image Doubler

double image projection
for spectral separation
of incoming light

The **Image Doubler** is a stereoscope and provides the projection of an image pair onto one camera. Additional filters* can be mounted for each image separately. It is based on a combined mirror optics and must be mounted in front of the camera lens.

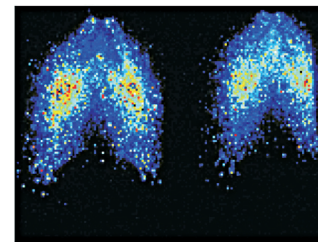


Typical Applications

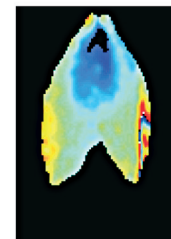
- ▶ single-shot simultaneous LIF/Mie measurements, e.g. Sauter Mean Diameter in sprays
- ▶ two-phase LIF

Features

- ▶ filter mount M52 x 0.75 thread
- ▶ camera lens mount M52 x 0.75
- ▶ f-number 2.8
- ▶ adjustable angle and separation
- ▶ full software support by LaVision's DaVis software
- ▶ 1108765: optimized for UV 250 - 400 nm, usable wavelength 200 - 700 nm
- ▶ 1108766: optimized for vis 500 - 850 nm



simultaneous
LIF and Mie



Sauter Mean
Diameter

*filters must be ordered separately according to application

Ordering information

Part number	Description
1108765	Image Doubler, optimized for UV
1108766	Image Doubler, optimized for vis
1108628	Filter set for D_{32} measurements at 266 nm
1108576	Filter set for Exciplex (gasoline)
1108571	Filter set for Exciplex (Diesel)
1108913	Filter set for ratiometric LIF measurements in liquids

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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