

Image Doubler

double image projection
for spectral separation
of visible light

The **Image Doubler for Pyrometry** provides the projection of an image pair onto a single camera. Additional filters can be mounted for each image separately. It is based on an image separation by a prism inside the optical path, so that parallax errors are minimized. The f-mount front lens can be exchanged by any user specific focal length.



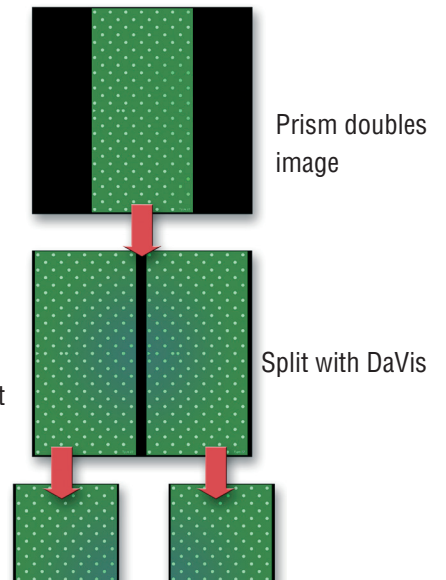
Image Doubler incl. 2 color filter*, separating prism and neutral density filter.

Typical Applications

- ▶ 2-color pyrometry for temperature, e.g. at soot in combustion
- ▶ two-phase LIF in liquids for mixing, temperature, pH-value, oxygen entrainment and more

Features

- ▶ Fourier image splitting for best image overlap and low parallax errors
- ▶ optimized for visible light
- ▶ best suited for sensor formats 2/3" up to 1"
- ▶ easy to change slide-in filter units
- ▶ M42 camera mount (standard) or Image Intensifier mount
- ▶ f-mount front lens
- ▶ f-number 4
- ▶ full software support by LaVision's DaVis software



Ordering information

Part number	Description
1108532	Image Doubler for Pyrometry
1108587	Filter set for Pyrometry, 750/850 nm
1108588	Filter set for Pyrometry, 850/950 nm

*color filter must be ordered separately

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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