J A D E

The new machine vision standard for up to 1.2".

Schneider KREUZNACH

INDUSTRY

JADE	Aperture	f' (mm)	Mount	Sensor Size (mm)	Type	Size D x L (mm x mm)	Weight (g)	Filter thread	ID
JADE 2.8/12 C	2.8–22	12	C	1.2" (19.3 mm)	standard	50 x 57.8	167	M62 x 0.75 *	1099612
JADE 2.8/16 C	2.8–22	16	C	1.2" (19.3 mm)	standard	40 x 57.5	154	M37 x 0.75	1099214
JADE 2.8/25 C	2.8–16	25	C	1.2" (19.3 mm)	standard	34 x 36.4	76	M30.5 x 0.5	1098480
JADE 2.8/35 C	2.8–22	35	C	1.2" (19.3 mm)	standard	34 x 40.8	124	M30.5 x 0.5	1098000
JADE 2.8/50 C	2.8–22	50	C	1.2" (19.3 mm)	standard	34 x 58	169	M30.5 x 0.5	1098905

*Optional filter adapter is required

THE NEW MACHINE VISION STANDARD FOR UP TO 1.2”

Key Features:

- 1.2" (19.3 mm) max. sensor size
- Very high resolution down to 2.4 µ pixel size
- Low chief ray angle suits all SONY Pregius™ generations
- C-Mount lenses
- 5 focal lengths: 12 mm to 50 mm
- Initial aperture: F2.8

Typical applications:

- Machine Vision
- AOI (Automated Optical Inspection)
- 3D and 2D measurement
- Robotic Vision
- Surface Inspection

JADE LENSES FOR THE INDUSTRY

JADE lenses are perfectly adapted to technical requirements with a maximum sensor size of 1.2” (19.3 mm) and an impressive resolution of up to 2.4 µ pixel. The compact lenses feature a low chief ray angle, making them ideal for use with all generations of SONY Pregius™ sensors. As C-Mount lenses, they also offer flexibility and versatility. With five different focal lengths from 12 mm to 50 mm and an initial aperture of F2.8, you can match JADE lenses to your exact needs. With a broadband AR coating in the 400 nm to 1000 nm spectrum, they offer an exceptionally high resolution of 24.5M/2.74 µm pixels, specifically matched to Sony’s 4th generation Pregius S™ technology and similar sensors. This guarantees razor-sharp images and precise measurement results.

Another highlight of the JADE lenses is their anti-shading design, which ensures uniform brightness distribution and prevents shadowing caused by microlenses. This means you always get consistent and reliable results in your image processing. The metal housing makes the JADE lenses extremely robust and ensures reliable and stable image positioning even under demanding environmental conditions. This makes them ideal for applications such as automatic optical inspection, 3D and 2D metrology, and robot vision.

MORE INFORMATION

Discover the variety of our high quality lenses. For more technical details on the lenses and datasheets, please visit our website: **www.schneiderkreuznach.com/jade**

SCHNEIDER-KREUZNACH
Jos. Schneider Optische Werke GmbH
Business Unit Industry
Ringstrasse 132
55543 Bad Kreuznach I Germany

Tel. +49 (0) 671 601 205
isales@schneiderkreuznach.com
www.schneiderkreuznach.com

01/2024