

## Carl Zeiss Industrial Lenses

The **ZEISS ZF-I & ZS-I** lenses are a new series of high quality, F-bayonet & M42 mount optics for industrial applications. Featuring manual focus, fixed focal length and locking aperture and focus rings, the ZEISS ZF-I & ZS-I lenses are ideal for use with the latest machine vision cameras using full frame 11 & 16 Mpix sensors. They are also a great match with high-speed video cameras utilizing F-mount lenses.



Each ZEISS ZF-I & ZS-I lens features:

- **Uniform image quality across the entire frame**
  - ZEISS lenses are hand made in small batches using very narrow production tolerances
- **Natural color rendition**
  - Zeiss 'Super Color Match' technology assures consistent reproduction among lenses
- **Superior stray light control**
  - Exclusive Zeiss T\* anti-reflection coating
- **Long focus rotations for fine focus control**
  - Silky smooth action
- **Locking aperture ring and focus barrel**
  - Supplied with five locking screws
  - The lenses feature a black finish barrel, with the exception of the 2.8/25 ZF-I and 2/28 ZF-I, which are finished in silver
- **Long service life**
  - Durable brass and alloy construction, with high wall thickness
- **Carl Zeiss lenses are hand made & 100% quality inspected**
  - Over 100 different quality inspections performed
  - Each lens is MTF tested during production

### ZF-I TECHNICAL SPECIFICATIONS

Product	Lens Mount	Focal Length mm	Aperture Range 1/2 stop	Focusing Range	Angular Field Diag / Horiz	Coverage at Close Range mm	Filter Thread Size	Dimensions W / L mm
Distagon T* 3.5/18 ZF-I	F	18	f/3.5 – f/22	0.3 m - ∞	99° / 90°	440 x 290	82 x 0.75	87 x 84
Distagon T* 2.8/21 ZF-I	F	21	f/2.8 – f/22	0.22 m - ∞	90° / 81°	180 x 120	82 x 0.75	87 x 110
Distagon T* 2,8/25 ZF-I	F	25.7	f/2.8 – f/22	0.17 m - ∞	80.2° / 70°	550 x 830	58 x 0.75	65 x 66
Distagon T* 2/28 ZF-I	F	28.5	f/2 – f/22	0.24 m - ∞	74° / 64°	110 x 170	58 x 0.75	64 x 93 <sup>1</sup>
Distagon T* 2/35 ZF-I <sup>2</sup>	F	35	f/2 – f/22	0.3 m - ∞	63° / 54°	129 x 196	58 x 0.75	65 x 73
Planar T* 1.4/50 ZF-I	F	51.7	f/1.4 – f/16	0.45 m - ∞	45.4° / 38.4°	160 x 240	58 x 0.75	66 x 45
Planar T* 1,4/85 ZF-I	F	84.8	f/1.4 – f/16	1 m - ∞	28.6° / 24°	240 x 360	72 x 0.75	72 x 62
Makro-Planar 2/50 ZF-I	F	51.6	f/2 – f/22	0.24 m - ∞	45.5° / 38.5°	48 x 72	67 x 0.75	72 x 65
Makro-Planar 2/100 ZF-I	F	97.5	f/2–f/22	0.44 m - ∞	25°/20.9°	48 x 72	67 x 0.75	76 x 89

### ZS-I TECHNICAL SPECIFICATIONS

Distagon T* 2,8/25 ZS-I <sup>3</sup>	M42	25.7	f/2.8 – f/22	0.17 m - ∞	80.2° / 70°	550 x 830	58 x 0.75	65 x 66
Distagon T* 2/35 ZS-I <sup>4</sup>	M42	35	f/2 – f/22	0.3 m - ∞	63° / 54°	129 x 196	58 x 0.75	65 x 73
Planar T* 1.4/50 ZS-I <sup>5</sup>	M42	51.7	f/1.4 – f/16	0.45 m - ∞	45.4° / 38.4°	160 x 240	58 x 0.75	66 x 45

<sup>1</sup> Length includes shades

<sup>2</sup> Available upon request

<sup>3</sup> Special order only

<sup>4</sup> Special order only

<sup>5</sup> Special order only



**We make it visible.**