

# Enabling a new level of precision.

## ZEISS Dimension Lenses



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## Dear ZEISS Partner,

We'd like to introduce a brand-new family of high-performance lenses that have been specially designed for industrial applications. Each of the 6 lenses, with focal lengths ranging from 8 to 50 mm, offers superb optical quality. Even at maximum aperture the lenses are the new benchmark for C-Mount lenses on sensors up to 4/3".

The lenses are made for precise high-end applications, where distortion, vignetting and coloring issues are needed at a minimum. The broad spectral transmission enables new opportunities in use cases such as food and waste sorting, or semiconductor inspection.

The special lens design resists challenging climatic and mechanical conditions and represents a reliable and future-proof optical component for machine vision solutions.



## High-end applications in various sectors

- Production/assembly
- Production and sorting of food & beverages
- Inspection of solar panels, large-area and microelectronics
- High-precision characterization of surfaces, solids and fluids
- Monitoring for mapping, farming, security, traffic and more
- High-speed inspections and measurements



# ZEISS Dimension Lenses

## Customer benefit



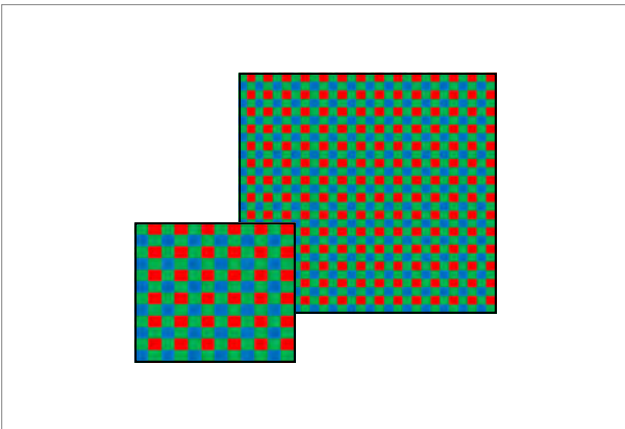
**Reliability** – safe long-term use even in challenging mechanical and climatic conditions



**Enabling** – mechanical features and optical performances open up new opportunities in use cases for high-end applications



**Precise** – high contrast and razor-sharp images, combined with virtually distortion-free images across the entire sensor



**Future-proof** – covers image circle of 4/3" sensors and resolves pixel sizes down to 2  $\mu\text{m}$



**Usability** – innovative BackFocusAdjustment, azimuthal scales adjustment and follow-up gears make ZEISS Dimension lenses easy to use



**Open** – 6 lenses with different focal length but similar sizes enable free planning and a flexible use in various applications

## ZEISS Dimension Lenses

### Technical data

Focal length	Max. aperture	MOD	Max. length x diameter (with screws)	Filter thread	Weight
8 mm	f/2.8	99 mm (0.32 ft)	59 mm (2.32") x 86 mm (3.39")	M72	368 g (0.81 lbs)
12 mm	f/2	101 mm (0.33 ft)	60 mm (2.36") x 64 mm (2.52")	M43	264 g (0.58 lbs)
18 mm	f/2	88 mm (0.29 ft)	61 mm (2.40") x 64 mm (2.52")	M43	294 g (0.65 lbs)
25 mm	f/2	153 mm (0.50 ft)	60 mm (2.36") x 64 mm (2.52")	M43	283 g (0.62 lbs)
35 mm	f/2	209 mm (0.69 ft)	70 mm (2.76") x 64 mm (2.52")	M49	323 g (0.71 lbs)
50 mm	f/2	311 mm (1.02 ft)	81 mm (3.19") x 64 mm (2.52")	M49	306 g (0.67 lbs)



# ZEISS Dimension Lenses

## Product features



## Sales Support & Marketing Material at a Glance