

# Entocentric lenses up to 1.2" imager

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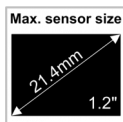
VCG series

## Product features

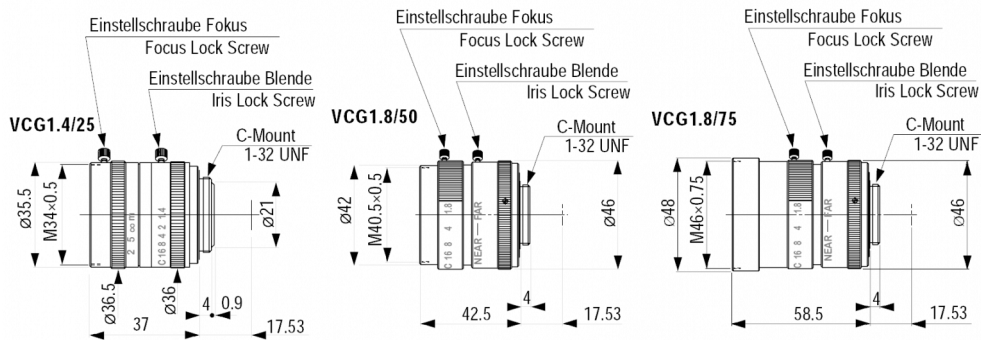
- Application for matrix and line cameras up to sensor diagonal/length 21.4 mm
- Lineup of three models (f = 25mm, 50mm, 75mm)
- C-mount (thread connection)



## Options



## Engineering drawing



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Up to 1.2" imager

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VCG series

## Properties

Optical properties

Spectral range 380...900nm / colour-corrected / fast lenses

Mechanical properties

Environmental temperature -10°C ... 50°C

## Optical data

Name	Order no.	Focal length [mm]	F-number	Object angle for 1.2" sensor (hor. x vert.) [°]	Object angle for 1" sensor (hor. x vert.) [°]	Object angle for ¾" sensor (hor. x vert.) [°]	Object angle for ½" sensor (hor. x vert.) [°]	Object angle for ¼" sensor (hor. x vert.) [°]
VCG 1,4/25	2-10-240	25	1,4 ... C	34 × 34	28,7 × 21,7	20 × 15	15 × 11	11 × 8,2
VCG 1,8/50	2-10-241	50	1,8 ... C	17 × 17	14,5 × 10,9	10 × 7,5	7,5 × 5,6	5,6 × 4,2
VCG 1,8/75	2-10-242	75	1,8 ... C	12 × 12	9,7 × 7,3	6,7 × 5,0	5,0 × 3,7	3,7 × 2,8

Size of imaging device:

1.2" - 15.2 x 15.2 mm<sup>2</sup> | 1" - 12.8 x 9.6 mm<sup>2</sup> | ¾" - 8.8 x 6.6 mm<sup>2</sup> | ½" - 6.4 x 4.8 mm<sup>2</sup> | ¼" - 4.8 x 3.6 mm<sup>2</sup>

Name	Order no.	Min. working distance	Max. diameter of lens	Length from bearing surface	Filter thread connection	Weight
VCG 1,4/25	2-10-240	0,5 m	36,5 mm	37 mm	M34 × 0,5	90 g
VCG 1,8/50	2-10-241	0,7 m	46 mm	42,5 mm	M40,5 × 0,5	150 g
VCG 1,8/75	2-10-242	0,8 m	48 mm	42,5 mm	M46 × 0,75	250 g

## Important advice

### Protection glass

High-quality front lens of the objective can be protected against impurities and damages by means of protection glass. You shall be screw-on first lens.

### Care instruction

Clean easily dirty lens with an optics brush or cleaned air. Adherent contamination can be removed by using an optical cleaning tissue. Please use only alcohol as a solvent, do not use acetone or other chemicals.

## Accessories

Order no.	Name	Description
2-91-208	UV M34 x 0,5	protection glass for entocentric lens-systems
2-91-200	UV M40,5 x 0,5	protection glass for entocentric lens-systems
2-91-201	UV M46 x 0,75	protection glass for entocentric lens-systems
2-91-218	IR M34 x 0,5	daylight-cutting-filter for entocentric lens-systems
2-91-210	IR M40,5 x 0,5	daylight-cutting-filter for entocentric lens-systems
2-91-211	IR M46 x 0,75	daylight-cutting-filter for entocentric lens-systems
2-91-228	Pol M34 x 0,5	polarizing filter, linear, for entocentric lens-systems
2-91-220	Pol M40,5 x 0,5	polarizing filter, linear, for entocentric lens-systems
2-91-221	Pol M46 x 0,75	polarizing filter, linear, for entocentric lens-systems

You can find a multiplicity of filters in the chapter accessories. Please order the filters separately.