

Entocentric lenses up to 1.2" imager

vicotar®

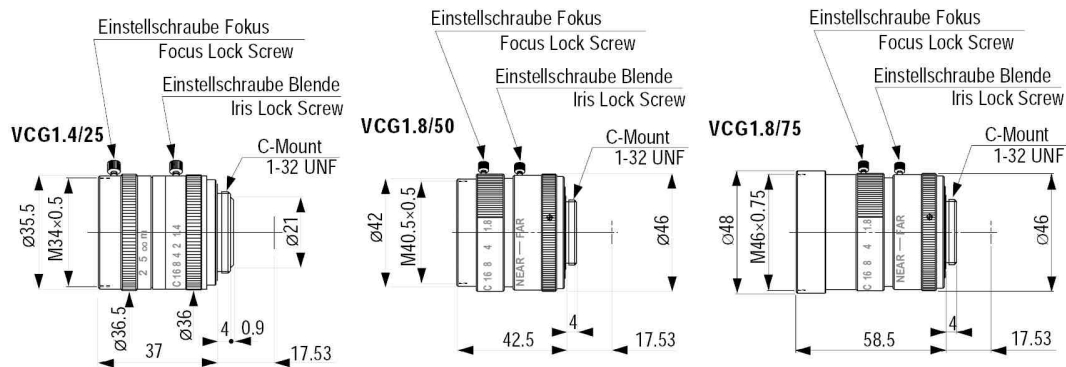
VCG series

Product features

- Application for matrix and line cameras up to sensor diagonal/length 21.4 mm
- Lineup of three models (f = 25mm, 50mm, 75mm)
- Manual, lockable focus and aperture adjustment
- Robust mechanical design
- C-mount (thread connection)



Engineering drawing



Download Manual

Adobe PDF

Up to 1.2" imager

Properties

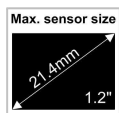
Optical properties

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

Mechanical properties

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

Options



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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 ⅓" 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 mm² | 1" - 12.8 x 9.6 mm² | ¾" - 8.8 x 6.6 mm² | ½" - 6.4 x 4.8 mm² | ⅓" - 4.8 x 3.6 mm²

Mechanical data

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.

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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.

Intended use for accessories

Note:

This area is reserved for future examples that will demonstrate the cooperation of lighting components and accessories.

We're going to show you the variety of combinations of the Vision & Control component system!

Your catalogue editors of Vision & Control GmbH