

High resolution, entocentric lenses

vicotar®

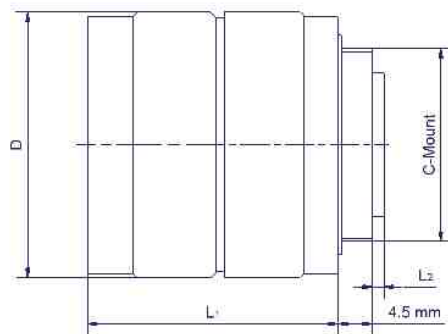
VCR series

Product features

- High resolution lenses with fixed focal length
- Lineup of three models ($f = 6 \text{ mm}, 8 \text{ mm}, 12 \text{ mm}$)
- Application for matrix cameras up to sensor diagonal 8 mm
- For especially high requirements
- Quality metal construction
- Compactly design, very small weight and fast
- Manual aperture
- Manual, lockable focus adjustment
- C-mount (thread connection)



Engineering drawing



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Manual
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Properties

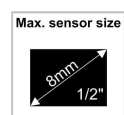
Optical properties

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

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 1/3" sensor (hor. x vert.) [°]	Object angle for 1/4" sensor (hor. x vert.) [°]
VCR 1,4/6	2-10-234	6	1,4 ... C	56 × 44	44 × 33	33 × 25
VCR 1,4/8	2-10-235	8	1,4 ... C	44 × 33	33 × 25	25 × 19
VCR 1,4/12	2-10-236	12	1,4 ... C	30 × 23	23 × 17	17 × 13

1/2" - 6,4 x 4,8 mm² | 1/3" - 4,8 x 3,6 mm² | 1/4" - 3,6 x 2,7 mm²

Mechanical data

Name	Order no.	Min. working distance	Max. diameter of lens D1	Length from bearing surface L1	Length L2	Weight
VCR 1,4/6	2-10-234	0,3 m	35 mm	35 mm	1,3 mm	89 g
VCR 1,4/8	2-10-235	0,3 m	32 mm	35 mm	1,5 mm	71 g
VCR 1,4/12	2-10-236	0,3 m	35 mm	35 mm	1,2 mm	90 g

Important advice

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.