
vicotar® Telecentric Lens - T24/3.0a

Short description:	Telecentric Lens, C-mount, Sensor max. 2/3", variable aperture, W/NIR
Order number:	2-05-233
EAN:	4251692620052



Characteristics

- telecentric measurement objective with object-sided telecentric beam path
 - high resolution, low-distortion, low telecentric error
 - available with image scale 1.5x, 2x, 2.5x and 3x
 - color-optimized and bright
 - adjustable aperture, arrestable
 - robust industrial design
 - direct attachment of the ring light RK1220 possible
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Technical data

Image scale	2.98
Spectral range	380 nm - 900 nm
Working distance	29.9 mm
Camera distance (object-camera flange)	119.9 mm
Object field diagonal (max)	3.6 mm
Sensor format (max)	2/3"
Image field diagonal (max)	11 mm
Suitable for camera resolution	4.9 MPixel
Recommended pixel size	3.45 μ m
Aperture	variable (F11 - F64)
Lens mount	C-Mount
Filter thread, camera-side	M20.5 x 0.5
Weight	150 g
Usable object field with:	
• 2/3" sensor (8.8 x 6.6 mm ²)	3 mm x 2.2 mm
• 1/1.8" sensor (7.1 x 5.4 mm ²)	2.4 mm x 1.8 mm
• 1/2" sensor (6.4 x 4.8 mm ²)	2.1 mm x 1.6 mm
• 1/3" sensor (4.8 x 3.6 mm ²)	1.6 mm x 1.2 mm

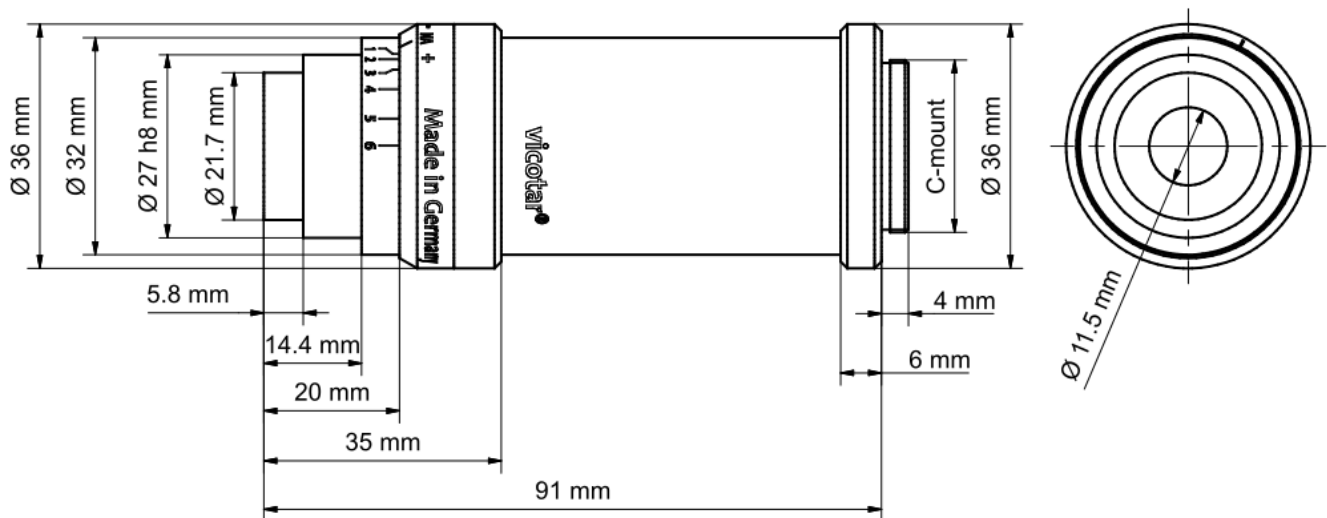
Can be combined with

Order number	Title	Description
<i>RK1220-24V-BA series</i>		
1-10-243	RK1220-B470-24V/BA	ring light, blue, coaxial, If diameter: 24/40 mm, static/switchable
1-10-244	RK1220-W5K7-24V/BA	ring light, white, coaxial, If diameter: 24/40 mm, static/switchable
1-10-245	RK1220-IR850-24V/BA	ring light, IR850, coaxial, If diameter: 24/40 mm, static/switchable
1-10-241	RK1220-R633-24V/BA	ring light, red, coaxial, If diameter: 24/40 mm, static/switchable
1-10-242	RK1220-G525-24V/BA	ring light, green, coaxial, If diameter: 24/40 mm, static/switchable

Accessories for Telecentric Lenses - T24/3.0a

Order number	Title	Description
<i>Lens mount</i>		
2-90-122	Lens Holder d32	Holder for telecentric lenses and lightings with d = 32 mm
<i>Extension tubes</i>		
2-90-415	Extension ring 0.5 mm	26 x 31 x 0.5 reduces the minimum object distance (MOD)
2-90-416	Extension ring 1.0 mm	26 x 31 x 1.0 reduces the minimum object distance (MOD)
<i>Lens adapter c-mount</i>		
2-90-414	CS to C-mount adapter 5.0 mm	for connecting C-mount lenses with CS-mount cameras, length: 5 mm
<i>Daylight blocking filter</i>		
2-91-131	IR filter M20.5x0.5	long-pass filter from 830 nm, daylight absorbing filter, filter thread M20.5x0.5
<i>Colour filter red</i>		
2-91-259	Colour filter red M20.5x0.5	long-pass filter from 630 nm, red, filter thread M20.5x0.5

Drawings



Dimensional drawing in mm