
vicotar® Telecentric Lens - T201/0.28L

Short description:	Telecentric Lens, C-mount, Sensor max. 2/3", variable aperture, W/NIR
Order number:	2-05-335 This product is being replaced!
EAN:	4251692620489
Actual Notice:	Termination to 30.06.2023. Please check the use of: TO66/11.0-200-V-BW (2-05-684)



Characteristics

- telecentric measurement objective with object-sided telecentric beam path
 - low-distortion, low telecentric error
 - color-optimized and bright
 - adjustable aperture, arrestable
 - robust industrial design
-

Technical data

Image scale	0.285
Spectral range	380 nm - 900 nm
Working distance	278.0 mm
Camera distance (object-camera flange)	547.4 mm
Object field diagonal (max)	38.5 mm
Sensor format (max)	2/3"
Image field diagonal (max)	11 mm
Suitable for camera resolution	13.2 MPixel
Recommended pixel size	2.1 μm
Aperture	variable
Lens mount	C-Mount
Filter thread, object-side	M67 x 0.75 (depth 6.5 mm)
Weight	1110 g
Usable object field with:	
• 2/3" sensor (8.8 x 6.6 mm ²)	30.9 mm x 23.2 mm
• 1/1.8" sensor (7.1 x 5.4 mm ²)	24.9 mm x 18.9 mm
• 1/2" sensor (6.4 x 4.8 mm ²)	22.5 mm x 16.8 mm
• 1/3" sensor (4.8 x 3.6 mm ²)	16.8 mm x 12.6 mm

Can be combined with

Order number	Title	Description
<i>TZB60-UDC-a Serie</i>		
1-10-946	TZB60-B470/UDC/-a	telecentric light, blue, If diameter: 60 mm, flashable by flash controller
1-10-947	TZB60-W5K7/UDC/-a	telecentric light, white, If diameter: 60 mm, flashable by flash controller
1-10-948	TZB60-IR880/UDC/-a	telecentric light, IR850, If diameter: 60 mm, flashable by flash controller
1-10-945	TZB60-R625/UDC/-a	telecentric light, red, If diameter: 60 mm, flashable by flash controller
1-10-949	TZB60-G525/UDC/-a	telecentric light, green, If diameter: 60 mm, flashable by flash controller
<i>TZB60 series</i>		
1-10-174	TZB60-B470-24V	telecentric light, blue, If diameter: 60 mm, static, cable open-ended
1-10-176	TZB60-W5K7-24V	telecentric light, white, If diameter: 60 mm, static, cable open-ended
1-10-178	TZB60-IR880-24V	telecentric light, IR850, If diameter: 60 mm, static, cable open-ended
1-10-170	TZB60-R625-24V	telecentric light, red, If diameter: 60 mm, static, cable open-ended
1-10-172	TZB60-G525-24V	telecentric light, green, If diameter: 60 mm, static, cable open-ended
<i>Beam splitter STE60x60</i>		
1-20-050	STE60x60-VIS	Beam splitter unit for coaxial light system, optimized for 450-700 nm
1-20-021	Adapter STE60x60 - TZO71	Attachment of the STE60x60 to telecentric lenses and lightings with d= 71mm

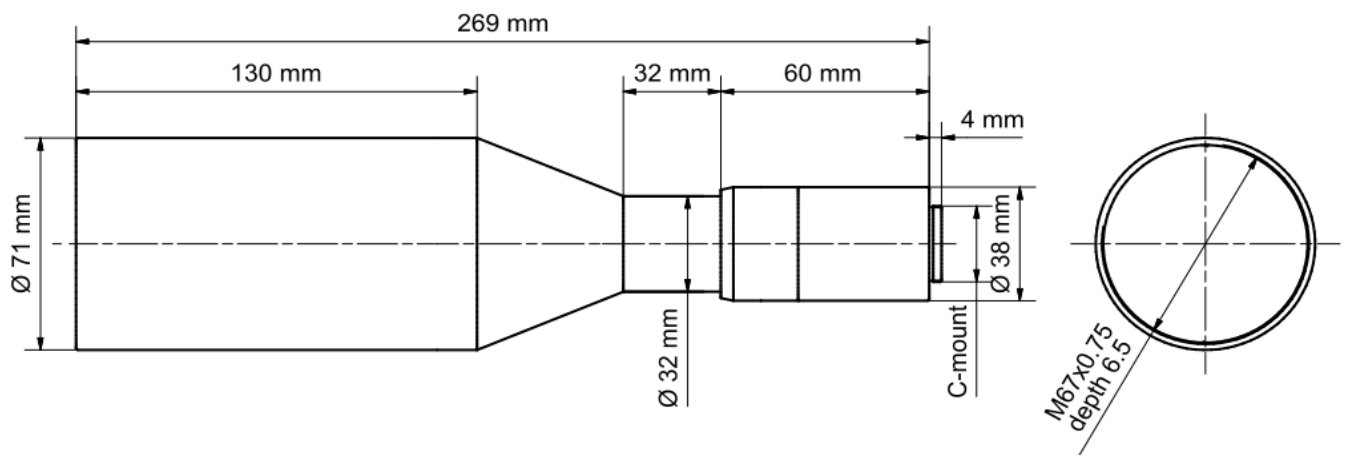
Accessories for Telecentric Lenses - T201/0.28L

Order number	Title	Description
<i>Lens mount</i>		

Order number	Title	Description
2-90-125	Lens Holder d32-30	Holder for telecentric lenses and lightings with d = 32 mm, with 30 mm extrn.
Extension tubes		
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)
Lens adapter c-mount		
2-90-414	CS to C-mount adapter 5.0 mm	for connecting C-mount lenses with CS-mount cameras, length: 5 mm
Neutral density filter		
2-91-175	ND filter 3.0 M67x0.75	optical density 3.0 - 0.1% transmission, f-stop reduction 10, filter thread M67x0.75
2-91-165	ND filter 1.2 M67x0.75	optical density 1.2 - 6.3% transmission, f-stop reduction 4, filter thread M67x0.75
2-91-155	ND filter 0.6 M67x0.75	optical density 0.6 - 25% transmission, f-stop reduction 2, filter thread M67x0.75
Daylight blocking filter		
2-91-131	IR filter M20.5x0.5	long-pass filter from 830 nm, daylight absorbing filter, filter thread M20.5x0.5
2-91-135	IR filter M67x0.75	long-pass filter from 830 nm, daylight absorbing filter, filter thread M67x0.75
Polarising filters		
2-91-145	Pole filter M67x0.75	linear polarizing filter, range 420 nm - 780 nm, filter thread M67x0.75
Colour filter blue		
2-91-291	Colour filter blue M67x0.75	band-pass filter, range 350 nm - 600 nm, filter thread M67x0.75
UV Cut-Off Filter		
2-91-125	UV blocking filter M67x0.75	long-pass filter from 350 nm, usable as protective glass, filter thread M67x0.75
Colour filter red		

Order number	Title	Description
2-91-259	Colour filter red M20.5x0.5	long-pass filter from 630 nm, red, filter thread M20.5x0.5
2-91-263	Colour filter red M67x0.75	long-pass filter from 630 nm, red, filter thread M67x0.75
Colour filter green		
2-91-304	Colour filter green M67x0.75	band-pass filter, range 430 nm - 620 nm, filter thread M67x0.75
Colour filter yellow		
2-91-278	Colour filter yellow M67x0.75	long-pass filter from 530 nm, yellow, filter thread M67x0.75
Deflection mirror 90° series		
2-25-124	Deflection mirror 90-71	90° deflection, attachment for telecentric lenses and lightings with d = 71 mm
Adapters for attaching lights to lenses		
1-29-677	Adapter ring d41 - M67x0.75	for R-CLR-69x41 and RK2036, for attachment to lenses with filter thread M67x0.75
1-29-773	Adapter ring d73 - M67x0.75	for R-CLR-100x73 und RK3652, for attachment to lenses with filter thread M67x0.75
1-29-871	Adapter ring d104 - M67x0.75	for R-CLR-132x104 and RK5268, for attachment to lenses with filter thread M67x0.75
Beam splitter STE60x60		
1-20-021	Adapter STE60x60 - TZO71	Attachment of the STE60x60 to telecentric lenses and lightings with d= 71mm

Drawings



Dimensional drawing in mm