
vicotar® Telecentric Lens - T240/0.27a

Short description:	Telecentric Lens, C-mount, Sensor max. 1.2", variable aperture, W/NIR
Order number:	2-05-227 This product is being replaced!
EAN:	4251692620045
Actual Notice:	Termination to 30.06.2023. Please check the use of: TO88/21.5-140-V-BW (2-05-814)



Characteristics

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

Image scale	0.274
Spectral range	380 nm - 900 nm
Working distance	287.0 mm
Camera distance (object-camera flange)	570 mm
Object field diagonal (max)	77.9 mm
Sensor format (max)	1.2"
Image field diagonal (max)	21.5 mm
Suitable for camera resolution	12.9 MPixel
Recommended pixel size	4.17 μm
Aperture	variable
Filter thread, camera-side	M20.5 x 0.5
Weight	1680 g
Usable object field with:	
• Sensor type 4/3 (17.3 x 13.0 mm ²)	63.1 mm x 47.4 mm
• 1" sensor (12.8 x 9.6 mm ²)	46.7 mm x 35 mm
• 2/3" sensor (8.8 x 6.6 mm ²)	32.1 mm x 24.1 mm

Can be combined with

Order number	Title	Description
<i>TZB95-UDC-a Serie</i>		
1-10-951	TZB95-B470/UDC/-a	telecentric light, blue, If diameter: 95 mm, flashable by flash controller
1-10-952	TZB95-W5K7/UDC/-a	telecentric light, white, If diameter: 95 mm, flashable by flash controller
1-10-953	TZB95-IR880/UDC/-a	telecentric light, IR850, If diameter: 95 mm, flashable by flash controller
1-10-950	TZB95-R625/UDC/-a	telecentric light, red, If diameter: 95 mm, flashable by flash controller
1-10-954	TZB95-G525/UDC/-a	telecentric light, green, If diameter: 95 mm, flashable by flash controller
<i>TZB95 series</i>		
1-10-383	TZB95-B470-24V	telecentric light, blue, If diameter: 95 mm, static, cable open-ended
1-10-382	TZB95-W5K7-24V	telecentric light, white, If diameter: 95 mm, static, cable open-ended
1-10-381	TZB95-IR880-24V	telecentric light, IR850, If diameter: 95 mm, static, cable open-ended
1-10-380	TZB95-R625-24V	telecentric light, red, If diameter: 95 mm, static, cable open-ended
1-10-384	TZB95-G525-24V	telecentric light, green, If diameter: 95 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
1-20-023	Adapter STE60x60 - TZO106	Attachment of the STE60x60 to telecentric lenses and lightings with d = 106mm

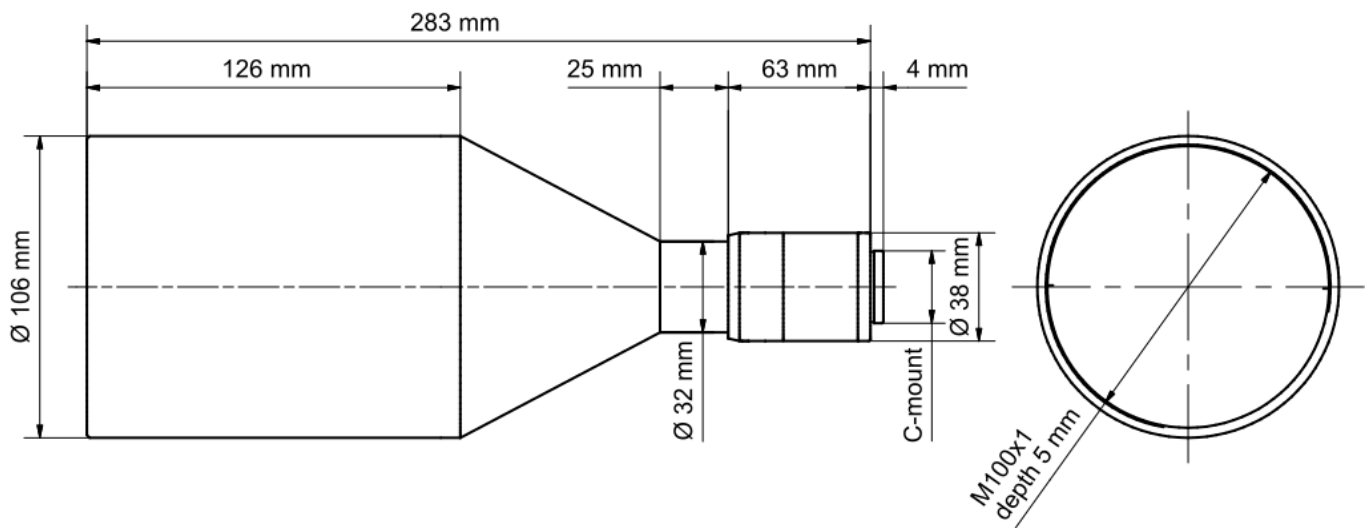
Accessories for Telecentric Lenses - T240/0.27a

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

Order number	Title	Description
2-90-129	Lens Holder d32-60	Holder for telecentric lenses and lightings with d = 32 mm, with 60 mm extn.
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
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
2-91-136	IR filter M100x1	long-pass filter from 830 nm, daylight absorbing filter, filter thread M100x1
Colour filter blue		
2-91-292	Colour filter blue M100x1	band-pass filter, range 350 nm - 600 nm, filter thread M100x1
UV Cut-Off Filter		
2-91-209	UV blocking filter M100x1	long-pass filter from 350 nm, usable as protective glass, filter thread M100x1
Colour filter red		
2-91-259	Colour filter red M20.5x0.5	long-pass filter from 630 nm, red, filter thread M20.5x0.5
2-91-264	Colour filter red M100x1	long-pass filter from 630 nm, red, filter thread M100x1
Colour filter green		
2-91-305	Colour filter green M100x1	band-pass filter, range 430 nm - 620 nm, filter thread M100x1
Adapters for attaching lights to lenses		
1-29-774	Adapter ring d73 - M100x1	for R-CLR-100x73 und RK3652, for attachment to lenses with filter thread M100x1

Order number	Title	Description
1-29-872	Adapter ring d104 - M100x1	for R-CLR-132x104 and RK5268, for attachment to lenses with filter thread M100x1
Beam splitter STE60x60		
1-20-023	Adapter STE60x60 - TZO106	Attachment of the STE60x60 to telecentric lenses and lightings with d = 106mm

Drawings



Dimensional drawing in mm