
vicotar® Telecentric Lens - T51/1.4

Short description:	Telecentric Lens, C-mount, Sensor max. 2/3", variable aperture, W/NIR
Order number:	2-05-265 This product is being replaced!
EAN:	4251692620137
Actual Notice:	Termination to 30.06.2023. Please check the use of: TOB11/11.0-60-V-WN (2-05-508)



Characteristics

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

Image scale	1.382
Spectral range	380 nm - 900 nm
Working distance	28.6 mm
Camera distance (object-camera flange)	147.6 mm
Object field diagonal (max)	7.9 mm
Sensor format (max)	2/3"
Image field diagonal (max)	11 mm
Suitable for camera resolution	6.7 MPixel
Recommended pixel size	2.94 μ m
Aperture	variable
Lens mount	C-Mount
Filter thread, object-side	M26 x 0.5 (depth 2.7 mm)
Weight	225 g
Usable object field with:	
• 2/3" sensor (8.8 x 6.6 mm ²)	6.4 mm x 4.8 mm
• 1/1.8" sensor (7.1 x 5.4 mm ²)	5.1 mm x 3.9 mm
• 1/2" sensor (6.4 x 4.8 mm ²)	4.6 mm x 3.5 mm
• 1/3" sensor (4.8 x 3.6 mm ²)	3.5 mm x 2.6 mm

Can be combined with

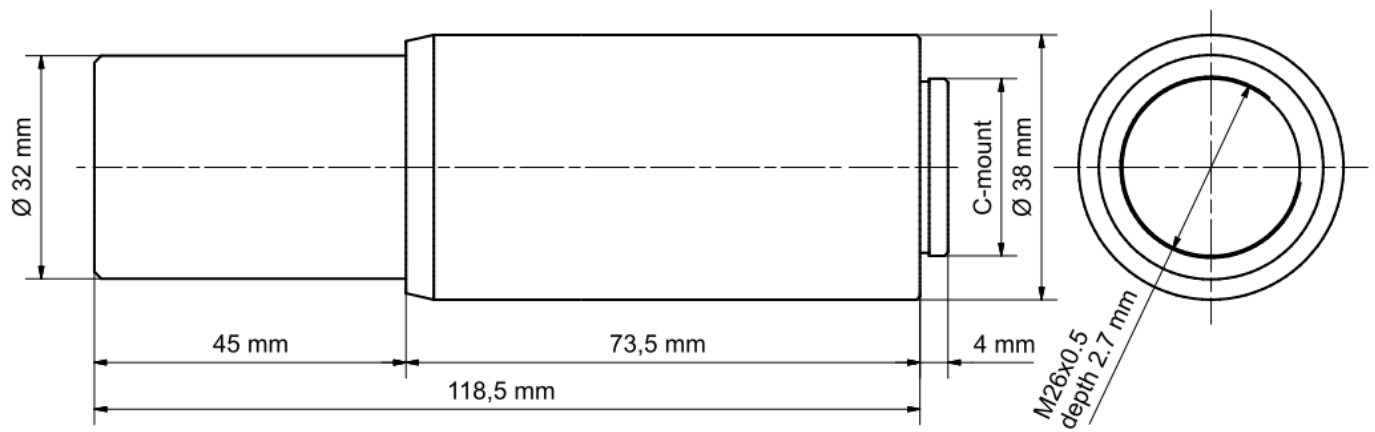
Order number	Title	Description
Beam splitter STE30x30		
1-18-050	STE30x30-VIS	Beam splitter unit for coaxial light system, optimized for 450-700 nm
1-18-022	Adapter STE30x30 - TZ032	Attachment of the STE30x30 to telecentric lenses and lightings with d = 32 mm

Accessories for Telecentric Lenses - T51/1.4

Order number	Title	Description
Lens mount		
2-90-122	Lens Holder d32	Holder for telecentric lenses and lightings with d = 32 mm
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
2-91-133	IR filter M26x0.5	long-pass filter from 830 nm, daylight absorbing filter, filter thread M26x0.5
UV Cut-Off Filter		
2-91-123	UV blocking filter M26x0.5	long-pass filter from 350 nm, usable as protective glass, filter thread M26x0.5
Colour filter red		
2-91-259	Colour filter red M20.5x0.5	long-pass filter from 630 nm, red, filter thread M20.5x0.5

Order number	Title	Description
<i>Deflection mirror 90° series</i>		
2-25-113	Deflection mirror 90-32	90° deflection, attachment for telecentric lenses and lightings with d = 32 mm
<i>Adapters for attaching lights to lenses</i>		
1-29-152	Adapter ring d14 - M26x0.5	for RK613, for attachment to lenses with filter thread M26x0.5
1-33-026	Adapter ring d20.4 - M26x0.5	for R-CLR-38x20, for attachment to lenses with filter thread M26x0.5
1-10-007	Adapter ring d27 - M26x0.5	for RK1220, for attachment to lenses with filter thread M26x0.5
1-29-673	Adapter ring d41 - M26x0.5	for R-CLR-69x41 and RK2036, for attachment to lenses with filter thread M26x0.5
<i>Beam splitter STE30x30</i>		
1-18-022	Adapter STE30x30 - TZ032	Attachment of the STE30x30 to telecentric lenses and lightings with d = 32 mm

Drawings



Dimensional drawing in mm