
vicotar® Telecentric Lens - T45/5.0L

Short description: Telecentric Lens, C-mount, Sensor max. 1.2",
fixed aperture, W/NIR

Order number: 2-05-251



Characteristics

- telecentric measurement objective with object-sided telecentric beam path
 - long working distance
 - color-optimized and bright
 - robust industrial design
 - fixed aperture
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Technical data

Image scale	5
Spectral range	380 nm - 900 nm
Working distance	64.0 mm
Camera distance (object-camera flange)	300 mm
Object field diagonal (max)	4.2 mm
Sensor format (max)	1.2"
Image field diagonal (max)	21.5 mm
Suitable for camera resolution	18.9 MPixel
Recommended pixel size	3.45 µm
Aperture	fixed (F19)
Depth of focus	20 µm
Lens mount	C-Mount
Weight	440 g
Usable object field with:	
• Sensor type 4/3 (17.3 x 13.0 mm ²)	3.5 mm x 2.6 mm
• 1" sensor (12.8 x 9.6 mm ²)	2.6 mm x 1.9 mm
• 2/3" sensor (8.8 x 6.6 mm ²)	1.8 mm x 1.3 mm

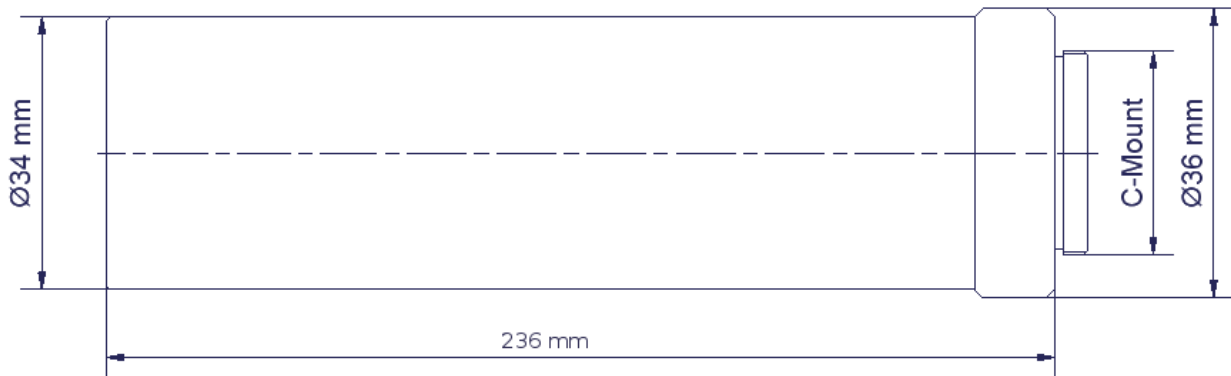
Can be combined with

Order number	Title	Description
Beam splitter STE30x30		
1-18-050	STE30x30-VIS	Beam splitter unit for coaxial light system, optimized for 450-700 nm
1-18-023	Adapter STE30x30 - TZ034	Attachment of the STE30x30 to telecentric lenses and lightings with d = 34 mm

Accessories for Telecentric Lenses - T45/5.0L

Order number	Title	Description
Lens mount		
2-90-123	Lens Holder d34	Holder for telecentric lenses and lightings with d = 34 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
Deflection mirror 90° series		
2-25-110	Deflection mirror 90-34	90° deflection, attachment for telecentric lenses and lightings with d = 34 mm
Adapters for attaching lights to lenses		
1-29-158	Adapter ring d35.5 - d34	for RK613, for attachment to lenses with clamping diameter 34 mm
1-29-681	Adapter ring d41 - d34	for R-CLR-69x41 and RK2036, for attachment to lenses with clamping diameter 34 mm
Beam splitter STE30x30		
1-18-023	Adapter STE30x30 - TZ034	Attachment of the STE30x30 to telecentric lenses and lightings with d = 34 mm

Drawings



Dimensional drawing in mm