

Lens for image circle 16 mm

Tele-Xenar 2.2/70

In accordance with the sensitivity of modern 1" CCD and CMOS sensors, the lenses are corrected and broadband-coated for the spectral range of 400 - 1000 nm (VIS + NIR).

Even under production and / or extreme conditions, the robust mechanical design with lockable focus and iris setting mechanism guarantees reliable continuous use in which the set optical parameters remain in place.

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Key Features

- High-resolution optics
- Highest optical imaging performance even with small pixel sizes
- Broadband coating (400 1000 nm)
- Compact and low weight
- Vibration insensitivity for stable imaging performance
- · Focus and iris setting lockable

Applications

- Machine Vision and other imaging applications
- 3D measurement
- Traffic
- Medical
- Robot vision
- · Food processing

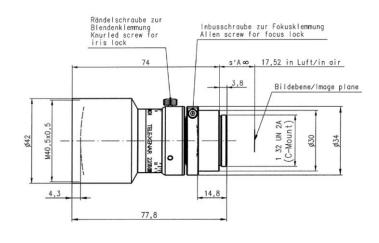
Technical Specifications

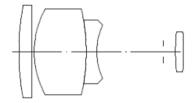
-	
F-number	2.2
Focal length	70.5 mm
Image circle	16 mm
Transmission	400 - 1000 nm
Interface	C-Mount
Weight	200 g
Filter Thread	M40.5 x 0.5
Code no	1014593

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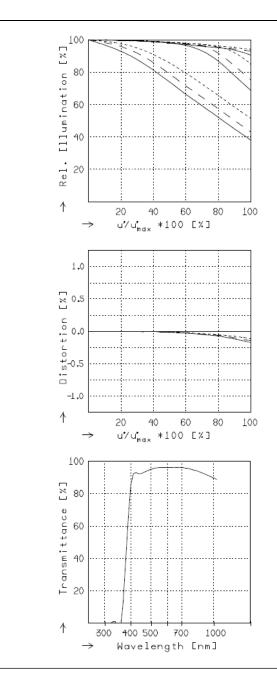


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⊤xr		2.2/	70					
f*	=	70,5	mm	1	βp	=	0,494	
sF	=	-27,8	mm		SEP	=	115.0	mm
sŕ.	=	28.5	mm		sip	=	-6.3	mm
нн *	=	-26,0	mm		Σd	=	58,8	mm



RELATIVE ILLUMINATION

The relativ illumination is shown for the given focal distances or magnifications.

f / 2.2	f	/ 4.0	f / 8.0	
β' = -0.0200 β' = -0.0500 β' = -0.1000		u _{max} = 8.0 u _{max} = 8.0 u _{max} = 8.0	00'= 00'= 00'=	1529,

DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

 ß' = -0.0200	u , = 8.0	00'=	3643.
 ß'= −0.0500	u _{max} = 8.0	00'=	1529.
 ß⁺ = −0.1000	u . = 8.0	00*=	828.

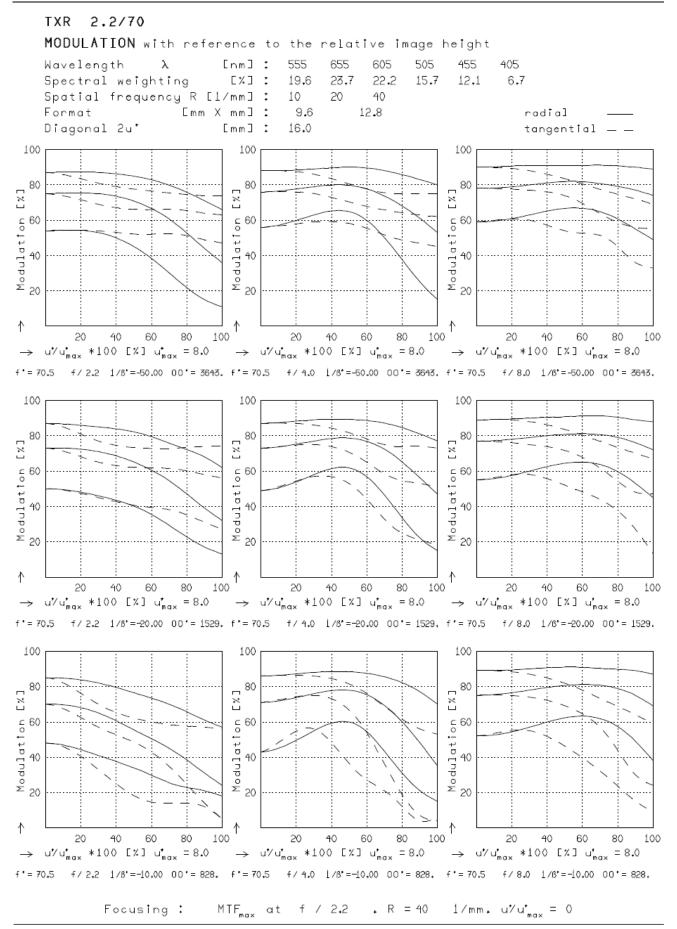
TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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