

Lenses for image circle 22 mm

Xenoplan 2.0/35-0903

These high-resolution, high-speed lenses are optimized for the use of 4 and 8 megapixel 1.3" sensors with micro-lenses on the sensor surface. The image circles are very large for C-Mount lenses. With a 1.3" sensor, the relatively short focal lengths allow a large coverage range at a short working distance. The lenses are also broadband coated and can be used in the visible range 400 – 700 nm or the near infrared range 700 – 1000 nm.



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Key Features

- High-resolution optics
- Highest optical imaging performance even with smallest 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

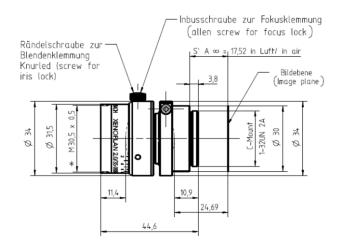
Technical Specifications

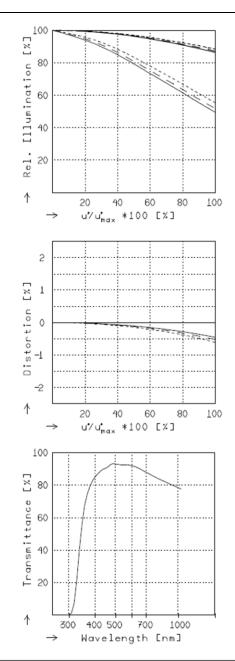
F-number	2.0 - 16
Focal length	35.1 mm
Image circle	22 mm
Transmission	400 - 1000 nm
Interface	C-Mount
Weight	90 g
Filter Thread	M30.5 x 0.5
Code no.	1075451

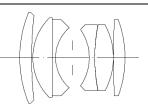
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XNP 2.0/35

f'	=	35.0	mm	β'n	=	1.094	
sF	=	-19.5	mm	SEP	=	12.5	mm
s;,	=	24.8	mm	s,	=	-13.4	mm
нн'	=	-3,5	mm	Σd	=	22,1	mm

RELATIVE ILLUMINATION

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

f	/ 2.0	f	/ 4.0	f	/ 8.0	
	β' = -0.0200 β' = -0.0500		u _{max} = 11.0 u _{max} = 10.9			
	ß' = −0.1000		u, = 10,9			

DISTORTION

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

 ß' =	-0.0200	umax	= 10.9	00'=	1816.
 ß' =	-0.0500	umax	= 10.9	00'=	768.
 ß• =	-0.1000	umax	= 10.9	00'=	420.

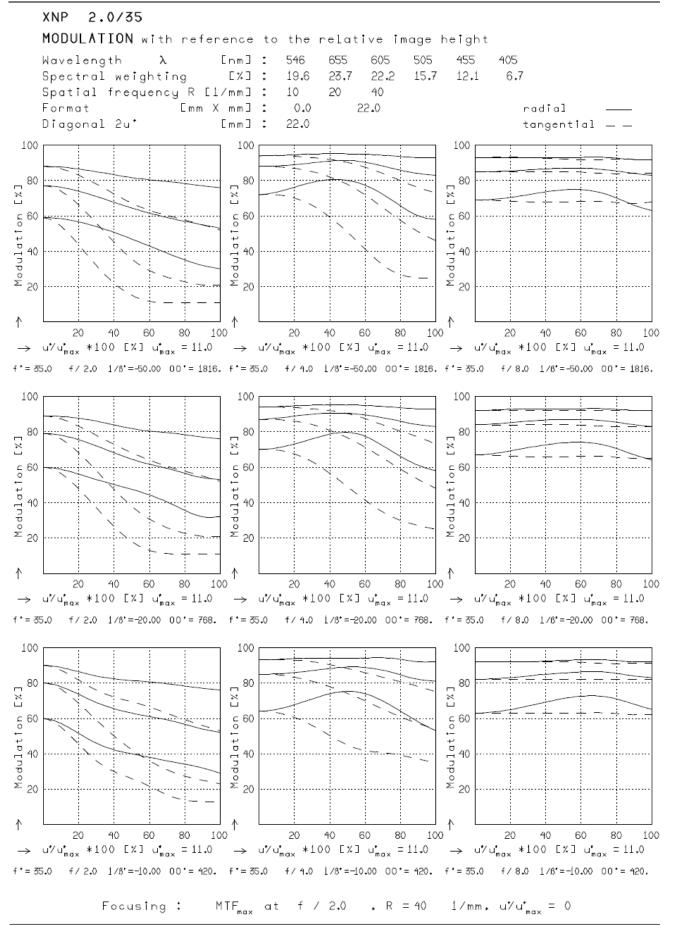
TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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