

3 Mega Pixel lens

Xenoplan 1.4/23

In accordance with the sensitivity of modern 2 / 3" CCD and CMOS sensors, the 3 megapixel 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 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	1.4
Focal length	22.5 mm
Image circle	11 mm
Transmission	400 - 1000 nm
Interface	C-Mount
Weight	94 gr.
Option	Optical filter

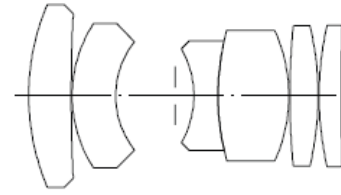
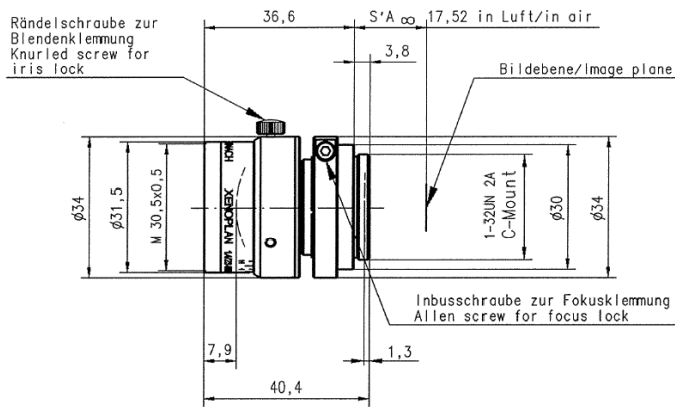
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XENOPLAN 1.4/23MM

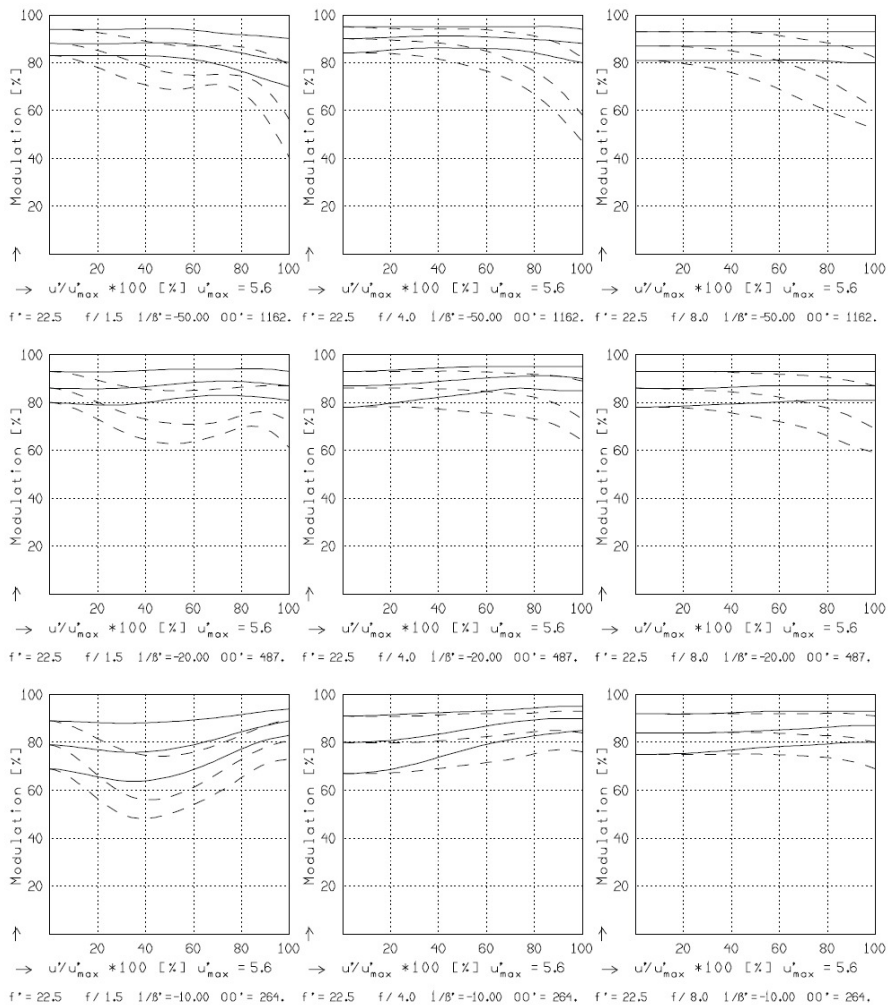
f' = 22,5 mm	β'_p = 2,271
s_F = 10,2 mm	s_{EP} = 20,1 mm
s'_F = 15,0 mm	s'_{AP} = -36,1 mm
HH' = -9,3 mm	Σd = 30,9 mm

XENOPLAN 1.4/23MM

MODULATION with reference to the relative image height

Wavelength λ	[nm] :	555	655	605	505	455	405
Spectral weighting	[%] :	19,6	23,7	22,2	15,7	12,1	6,7
Spatial frequency R	[1/mm] :	10	20	30			
Format	[mm X mm] :	6,6	X	8,8			
Diagonal $2u'$	[mm] :	11,0					

radial —
tangential - -



Focusing : MTF_{max} at $f / 1.4$, $R = 30$ 1/mm, $u'/u'_{nox} = 0$

