

# 5 Mega Pixel lens

#### Apo-Xenoplan 1.8/35

The 5 megapixel high-performance lenses of the C-Mount compact series are extremely robust and insensitive to rough ambient conditions, with the result that the lenses retain their high optical imaging performance in industrial environments. The secure locking of the iris and focus settings and the broadband coating of 400 - 1000 nm is standard for all lenses.



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#### **Key Features**

- Highest optical imaging performance even with smallest pixel sizes from 2.5  $\mu m$
- Excellent MTF across the entire sensor size
- 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

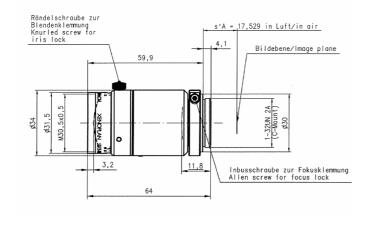
#### **Technical Specifications**

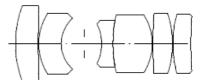
Focal length35.2 mmImage circle11 mmTransmission400 - 1000 nmInterfaceC-MountWeight150 gr.OptionOptical filter	F-number	1.8
Transmission 400 - 1000 nm   Interface C-Mount   Weight 150 gr.	Focal length	35.2 mm
Interface C-Mount Weight 150 gr.	Image circle	11 mm
Weight 150 gr.	Transmission	400 - 1000 nm
	Interface	C-Mount
Option Optical filter	Weight	150 gr.
	Option	Optical filter

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## Apo-Xenoplan 1.8/35

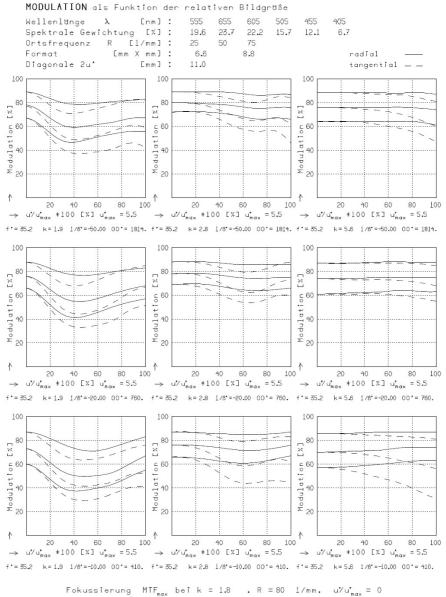




### XENOPLAN 1.8/35

f'	=	ð5 <b>.</b> 2	m m	βŗ	=	6,607	,
sF	=	19,3	mm	SEP	=	24,6	mm
sŕ	=	25,2	mm	sip	=-2	207.1	mm
нн≀	=	-15,4	mm	Σd	=	49,0	mm

## XENOPLAN 1.8/35

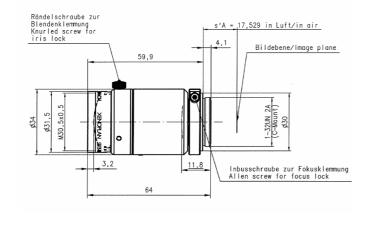


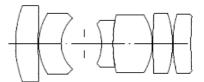
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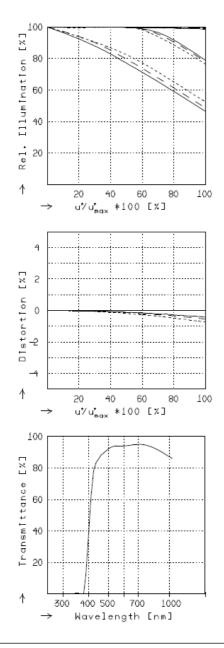
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sŕ۰	=	25,2	mm	sip	=-2	07.1	mm
нн•	=	-15,4	mm	Σd	=	49.0	mm



## RELATIVE ILLUMINATION

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

f / 1.9	f / 2.8	f / 5.6
1 / 1+0	1 / 2+0	1 / 0.0

 ß* = −0,0200	u <b>*</b> a× = 5.5	00*=	1814.
 ß' = −0,0500	u <b>*</b> a× = 5₊5	00'=	760,
 ß' = −0,1000	u <b>*</b> a× = 5.5	00'=	410,

### DISTORTION

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

β' = −0.0200	u <b>*</b> a× = 5₊5	00'= 1814.
— — β' = −0.0500	u <b>*</b> ax =5.5	00'= 760,
B' = -0.1000	u <b>,</b> ax = 5.5	00'= 410.

#### TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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