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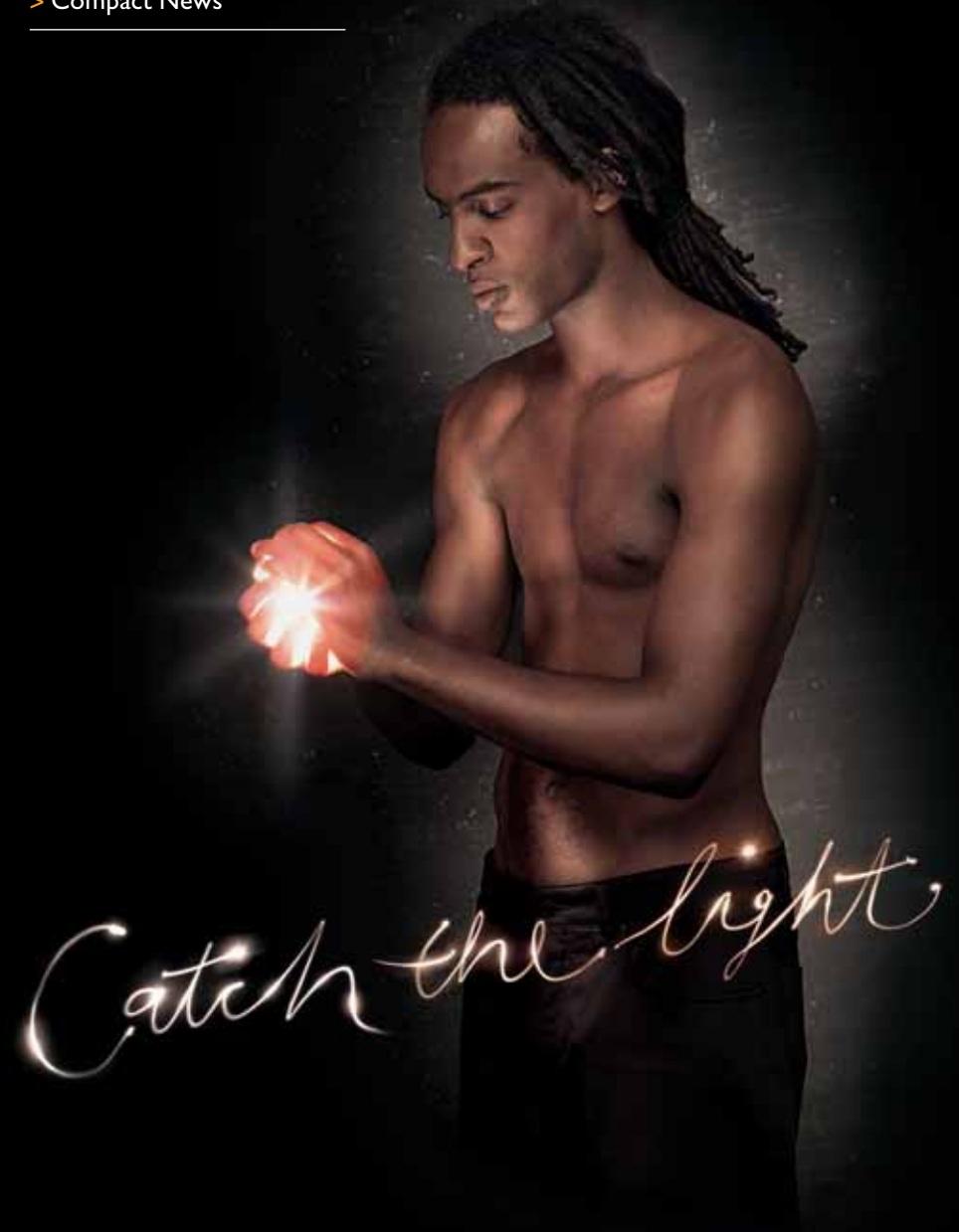
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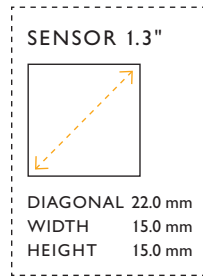
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## VISIONARY NEWS

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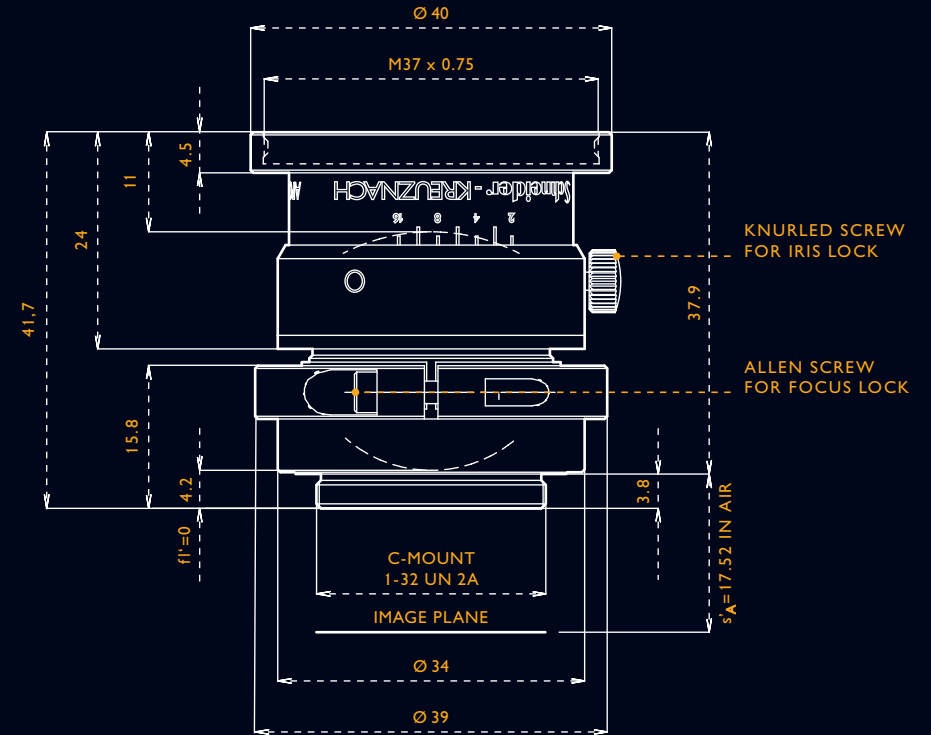
# APO-XENOPLAN 2.0/24



The new, almost (on the image side) telecentric lens APO-Xenoplan 2.0/24 is ideal for high-resolution 3D metrology and traffic technology using 1.3" CCD cameras. This high-resolution lens is optimized for the widely used 4 megapixel CCDs with micro-lenses on the sensor surface. The special optical design prevents unwanted shading on the sensor, thereby facilitating extremely homogeneous brightness distribution combined with high imaging performance. At 24mm, the image circle is very large for a C-Mount lens.

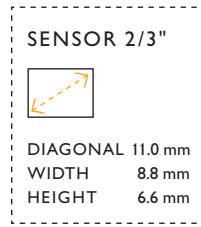
The comparatively short focal length also allows a large acquisition area at short working distances with the 1.3" sensors.

## LENS DATA



LENS	APO-XENOPLAN 2.0 / 24
FOCAL LENGTH	24 mm
F-NUMBER	2.0 to 16
MAX. SENSOR DIAGONAL	24 mm (e. g. 1.3" sensor)
SPECTRAL RANGE	400 to 1000 nm
MAGNIFICATION RANGE	$\infty - 1:10$
MOD	0.23 m - $\infty$
DISTORTION	LESS THAN 2.5 %
IRIS / FOCUS	MANUAL, LOCKABLE
WEIGHT	80 g
FILTER THREAD	M37 x 0.75

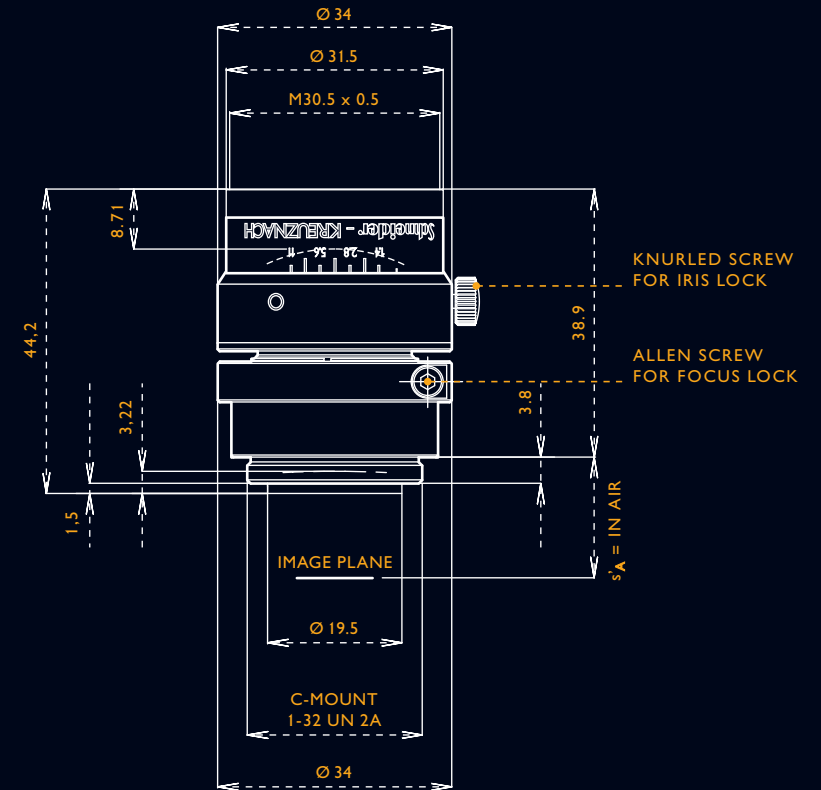
## APO-XENOPLAN 1.4/23



The APO-Xenoplan 1.4/23 is optimized for high-resolution applications using 5 megapixel CCD and CMOS cameras with sensor sizes up to 2/3". Application areas include high-precision geometric metrology and traffic supervision. Small pixel sizes of less than  $5\ \mu$  are no problem for this high-resolution lens, and even in this range the images are distinguished by their excellent contrast and sharpness.

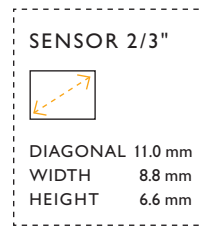
With the initial aperture f-number 1.4 and the very good transmission due to the broadband coating of all the lenses, this lens is extremely bright, making it ideal for the entire spectral range from 400 nm to 1000 nm.

## LENS DATA



LENS	APO-XENOPLAN 1.4 / 23
FOCAL LENGTH	23 mm
F-NUMBER	1.4 to 11
MAX. SENSOR DIAGONAL	11 mm (e. g. 2/3" sensor)
SPECTRAL RANGE	400 to 1000 nm
MAGNIFICATION RANGE	$\infty - 1:5$
MOD	0.08 m - $\infty$
DISTORTION	LESS THAN 2 %
IRIS / FOCUS	MANUAL, LOCKABLE
WEIGHT	115 g
FILTER THREAD	M30.5 x 0.5

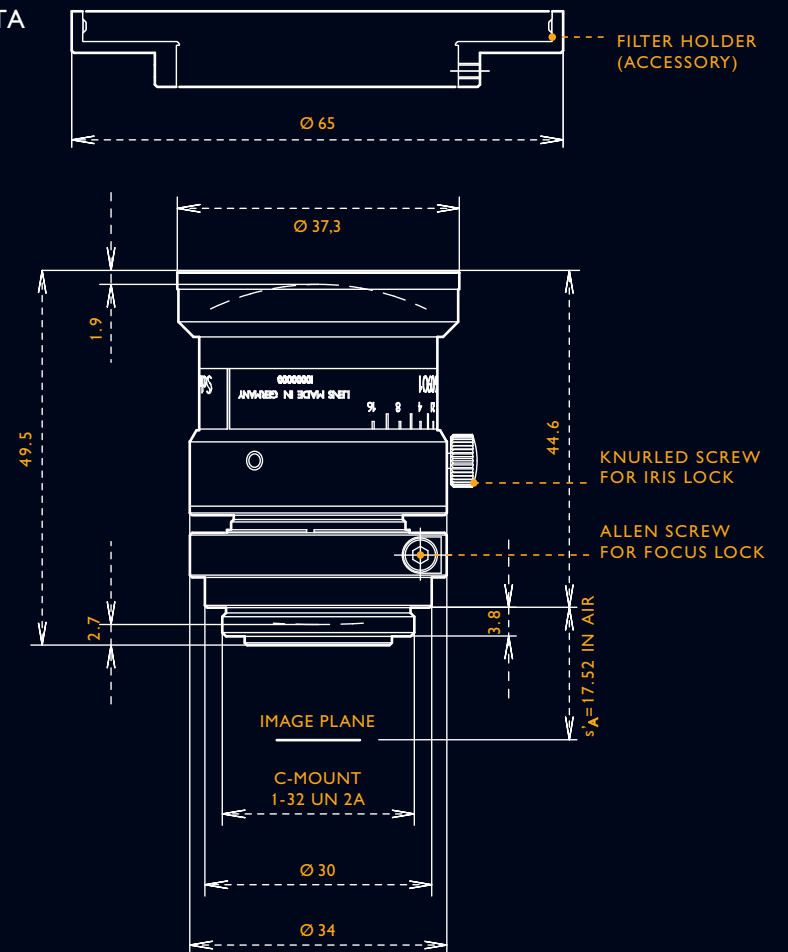
## CINEGON 2.1/6



The new standard lens Cinegon 2.1/6 adds the 6mm focal length to the compact range, thereby closing the gap between 4.8mm and 8mm. This therefore improves the choice in the short focal length range for the existing focal lengths from 4.8 to 70mm. It is ideal for use in 3D metrology and in crash tests.

Like all high-performance lenses in the C-Mount compact range, the Cinegon 2.1/6 is very robust and largely insensitive to harsh ambient conditions, therefore the lenses also retain their performance features in an industrial environment.

## LENS DATA



LENS	CINEGON 2.1 / 6
FOCAL LENGTH	6 mm
F-NUMBER	2.1 to 16
MAX. SENSOR DIAGONAL	11 mm (e. g. 2/3" sensor)
SPECTRAL RANGE	400 to 1000 nm
MAGNIFICATION RANGE	$\infty - 1:3$
MOD	0 m - $\infty$
DISTORTION	LESS THAN 8 %
IRIS / FOCUS	MANUAL, LOCKABLE
WEIGHT	110 g
FILTER THREAD	ADAPTER WITH M 62 x 0.75