

## Xenon-Topaz 2.0/38

The Xenon-Topaz 2.0/38 is part of the robust C-Mount lens series for 1.1" sensor up to 12 megapixel resolution.

Optimized for 10 m to 30 m working distance and equipped with 400 nm - 1000 nm broadband AR-coating this lens is the ideal choice to be used in measurement systems in harsh environmental, as traffic surveillance or robot vision.

A version with motorized p-iris is also available. Lenses with 25 mm, 30 mm and 50 mm focal length complete the Xenon-Topaz series.



Xenon-Topaz 2.0/38

### Key features

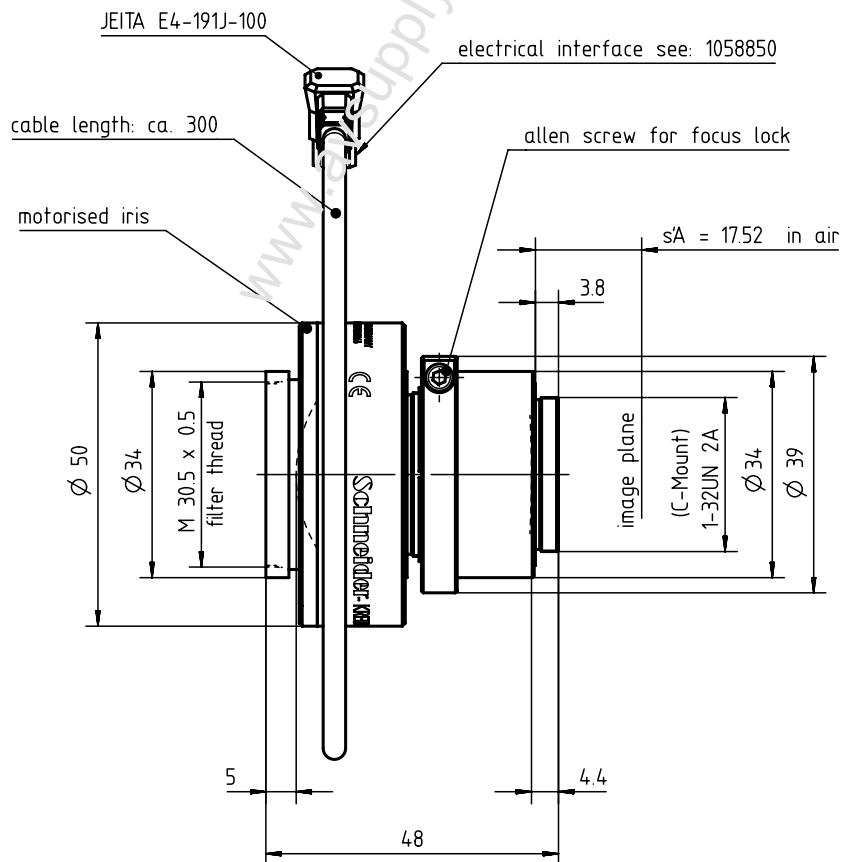
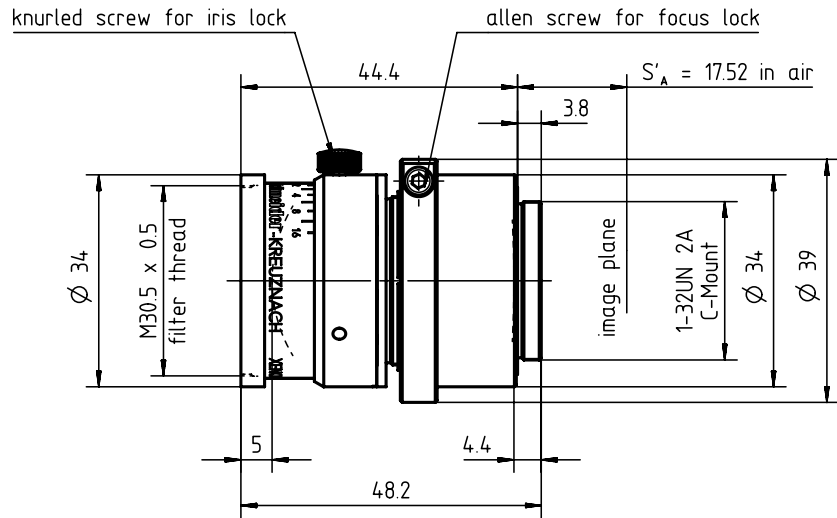
- High-resolution optics for up to 12 megapixel 1.1" sensors
- Optimized for 10 m to 30 m working distance
- Broadband coating (400 - 1000 nm)
- Vibration insensitivity for stable imaging performance
- Version with motorized p-iris available

### Applications

- Traffic
- High-end Surveillance
- Robot Vision
- 3D measurement

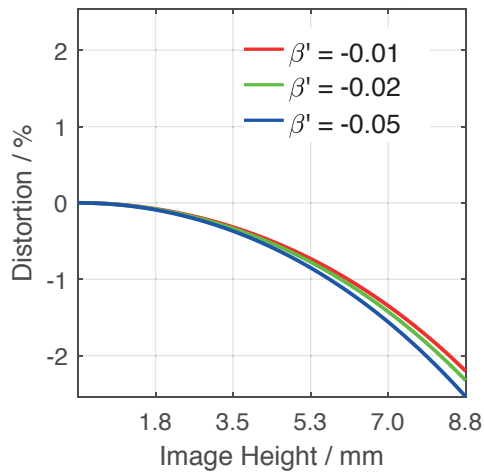
Name	Xenon-Topaz 2.0/38
Type	-0903   -1901
Focal Length [mm]	38
Magnification	-0.1
Image circle [mm]	17.6
Resolution [ $\mu\text{m}$ ]	3.65
F/# range	2 ... 11
NA	0.25
Interface	C-Mount
Working distance [mm]	$\infty$ - 378
AoV [ $^\circ$ ]	26
Focus control	manual
Transmission [nm]	400 - 1000
Filter thread [mm]	M37 x 0,75
Dimensions L x D [mm]	48.2 x 50.0

Name	Xenon-Topaz 2.0/38
Weight [g]	204
Storage temperature [ $^\circ\text{C}$ ]	-25 ... +70
$f'_{\text{eff}}$ [mm]	38.01
$S_F$ [mm]	0.67
$S'_F$ [mm]	18.16
HH' [mm]	-19.72
$\beta'_p$	1.572
$S_{EP}$ [mm]	34.85
$S'_{AP}$ [mm]	-41.82
$\Sigma d$ [mm]	38.80
ID	1076930
ID Motorized p-iris	1084666

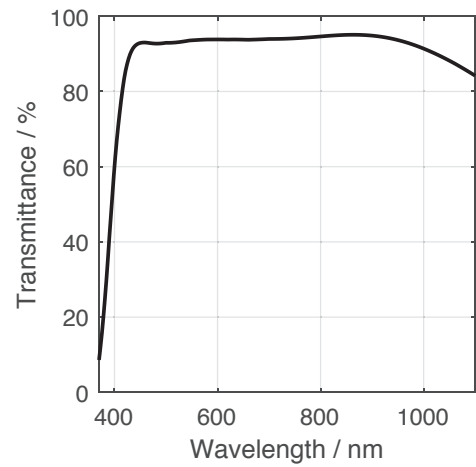


Motorized p-iris

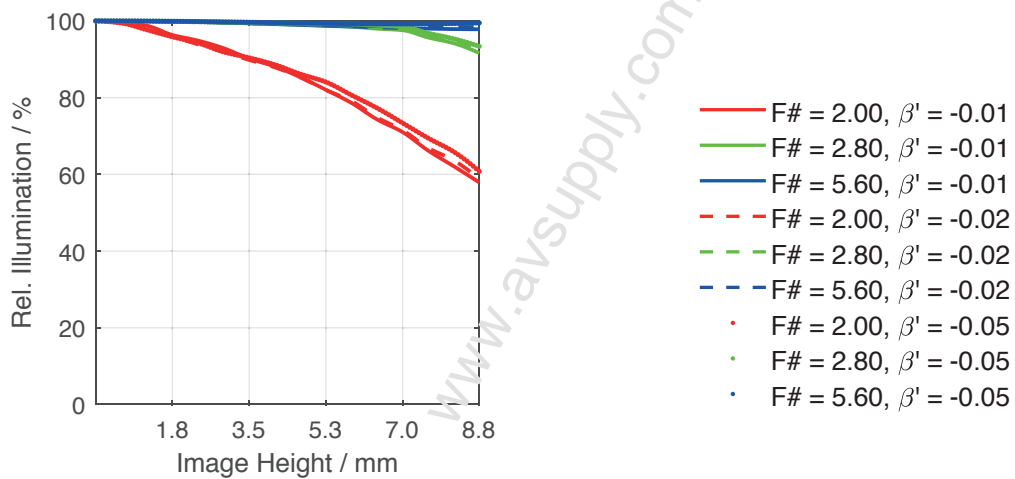
Distortion vs. Image Height



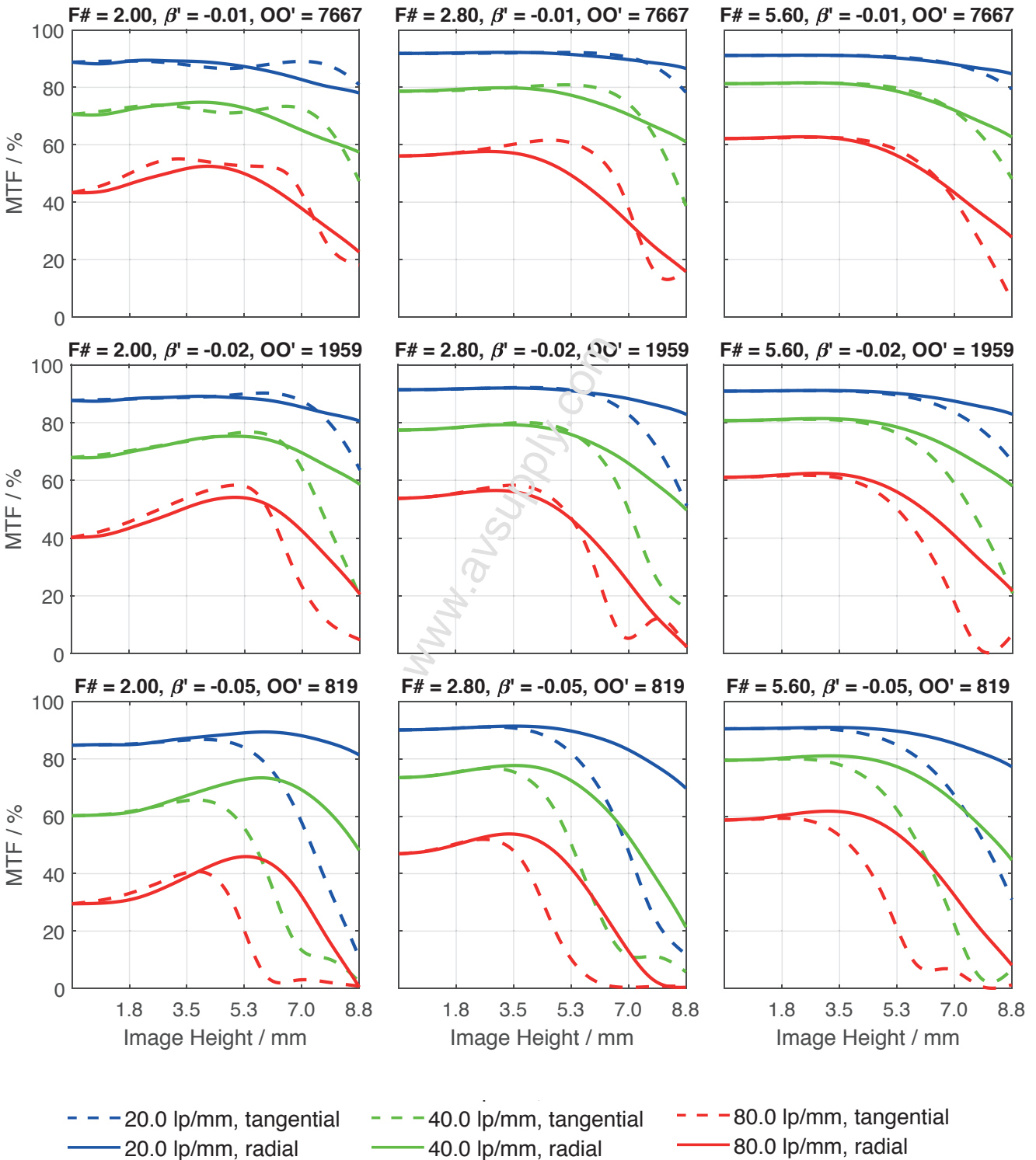
Transmittance vs. Wavelength



Relative Illumination vs. Image Height



Spectrum Name	VIS					
Wavelengths [nm]	425	475	525	575	625	675
Weights	8	16	23	22	19	13



Accessories	Mount	Length	ID
Adapter	CS-Mount Adapter	5 mm	25081
	C-Mount / M42 x 1 Adapter	-	1075817
Ext. Tube	C-Mount	5 mm	39316
	C-Mount	8 mm	39315
	C-Mount	10 mm	39312

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