The Xenon-Topaz 2.0/25 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.

Version with motorized p-iris is available on request. Lenses with 30 mm, 38 mm and 50 mm focal length complete the Xenon-Topaz series.

**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 2.0/25**
--- | ---
Type | -0901
Focal Length [mm] | 25
Magnification | -0.1
Image circle [mm] | 17.6
Resolution [µm] | 3.65
F/# range | 2 ... 16
NA | 0.25
Interface | C-Mount
Working distance [mm] | 242
AoV [°] | 39
Focus control | manual
Transmission [nm] | 400 - 1000
Filter thread [mm] | M30.5 x 0.5
Dimensions L x D [mm] | 40.2 x 34.0

**Name** | **Xenon-Topaz 2.0/25**
--- | ---
Weight [g] | 90
Storage temperature [°C] | -25 ... +70
f’eff [mm] | 24.22
S’ [mm] | -4.26
S’' [mm] | 12.05
HH’ [mm] | -1.99
β’P | 1.272
S_EP [mm] | 24.78
S_AP [mm] | -18.92
Σd [mm] | 30.14
ID | 1081347

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Xenon-Topaz 2.0/25

Distortion vs. Image Height

Transmittance vs. Wavelength

Relative Illumination vs. Image Height
Xenon-Topaz 2.0/25

<table>
<thead>
<tr>
<th>Spectrum Name</th>
<th>VIS</th>
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<tbody>
<tr>
<td>Wavelengths [nm]</td>
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<tr>
<td>Weights</td>
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</table>

- **F# = 2.00, \( \beta' = -0.01 \), OO' = 4896**
- **F# = 2.80, \( \beta' = -0.01 \), OO' = 4896**
- **F# = 5.60, \( \beta' = -0.01 \), OO' = 4896**

- **F# = 2.00, \( \beta' = -0.02 \), OO' = 1259**
- **F# = 2.80, \( \beta' = -0.02 \), OO' = 1259**
- **F# = 5.60, \( \beta' = -0.02 \), OO' = 1259**

- **F# = 2.00, \( \beta' = -0.05 \), OO' = 532**
- **F# = 2.80, \( \beta' = -0.05 \), OO' = 532**
- **F# = 5.60, \( \beta' = -0.05 \), OO' = 532**
## Xenon-Topaz 2.0/25

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Mount</th>
<th>Length</th>
<th>ID</th>
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<tbody>
<tr>
<td>Adapter</td>
<td>CS-Mount Adapter</td>
<td>5 mm</td>
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<td>C-Mount / M42 x 1 Adapter</td>
<td>-</td>
<td>1075817</td>
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<td>C-Mount</td>
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<td></td>
<td>C-Mount</td>
<td>10 mm</td>
<td>39312</td>
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</table>
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