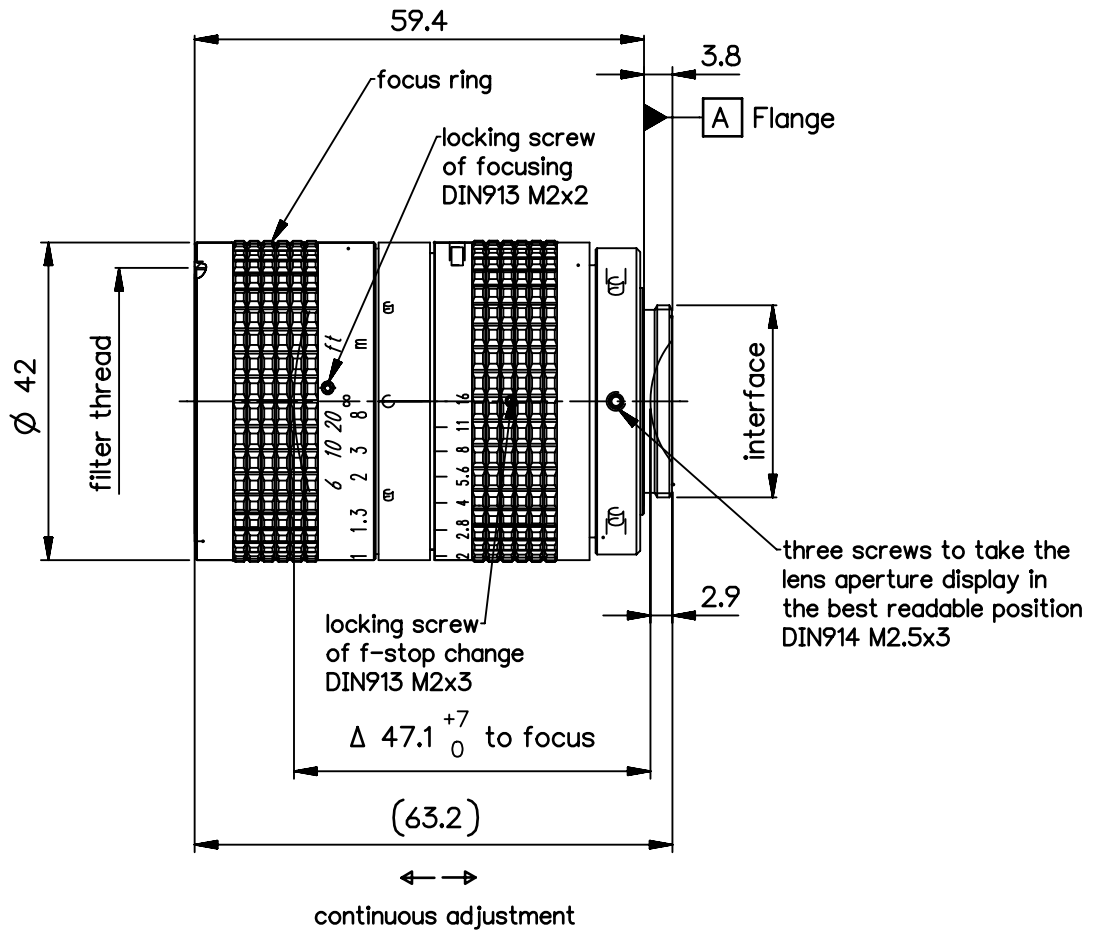
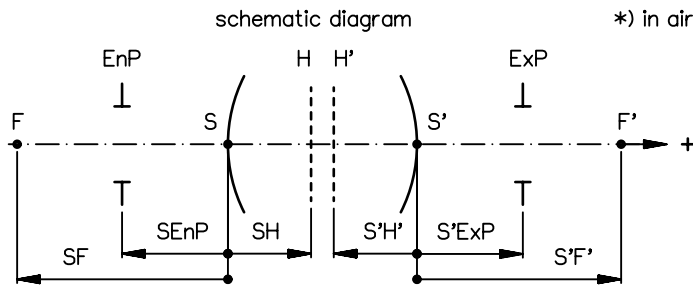


| | | |
|-----------------|--------------------|------------------------------|
| order number | lens name | spectral range λ *** |
| 0020-001-000-40 | MeVis-C 1.6/35 | 450-950 nm |
| 0020-001-000-42 | MeVis-C NIR 1.6/35 | 850-1400 nm |



| | | | |
|--------------------------------|--------------------|-----------------------|----------------------|
| Specification | | ON | 5801-9001 |
| image circle max. (mm) | 16 | working distance (mm) | 370 - ∞ |
| focal length f' (mm) * | 35.2 | interface | C-mount (1-32 UN 2A) |
| magnification β' [range] | -0.05 [-0.1 ... 0] | filter thread | M35.5 x0.5 |
| spectral range λ (nm) | *** | weight (g) | 170 |

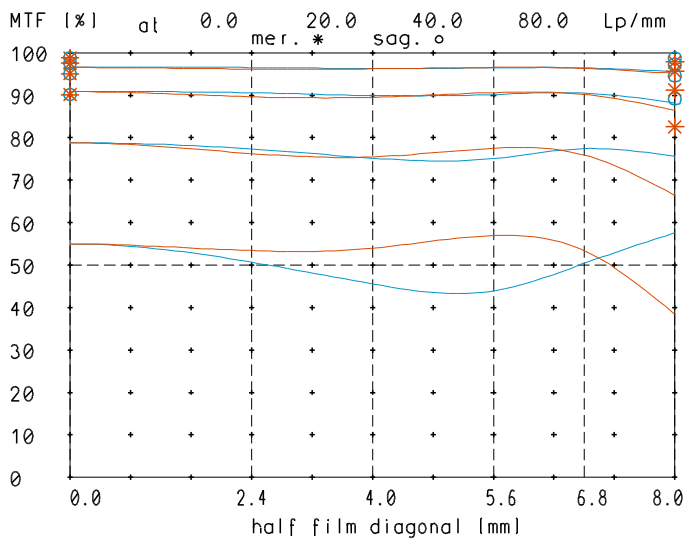


| | | | | |
|----------------------------------|-------|--------------|-------------------|-------------------|
| design includes CCD cover glass: | | yes / 1mm K7 | | |
| SF (mm) | -11.9 | f-stop | \varnothing EnP | \varnothing Exp |
| S'F' (mm) * | 14.7 | 1.6 | 21.2 | 28.0 |
| HH' (mm) * | 6.7 | 2 | 17.5 | 23.1 |
| SH (mm) | 23.6 | 2.8 | 12.5 | 16.5 |
| S'H' (mm) * | -20.5 | 4 | 8.8 | 11.6 |
| SEnP (mm) | 15 | 5.6 | 6.3 | 8.3 |
| S'Exp (mm) * | -31.8 | 16 | 2.2 | 2.9 |

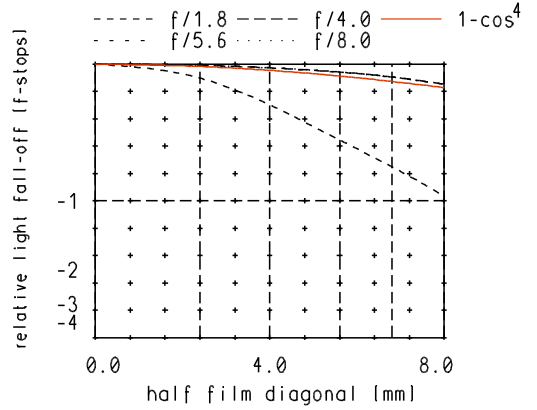
| | | | | | | |
|--|--|---------|--------------------------|-------------|-----------------------|------------|
| NX | EU-D | AL-T1A | US-D | US-ML | not export controlled | |
| | REV | ECC | DATE | APPROVED | PDM Status Freigabe | |
| | a | Neuausg | | | - | |
| | b | 11-358 | 19.07.11 | Kuehne | | |
| PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED | c | 12-0185 | 09.03.12 | Schuber | SCALE 1:1 | |
| | d | 14-0184 | 25.03.14 | Schiffle | MATERIAL | |
| | BASIC TOLERANCING PRINCIPLE | | | | TITLE | |
| | | | | | MeVis-C 1.6/35 | |
| DIN A 4 | ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT | | | FIRST ISSUE | DATE | NAME |
| | | | | ISSUE | 24.01.11 | Kuehne |
| | | | | CHKD | 24.01.11 | Schaeffler |
| | | | DRAWING NO. | | SHEET 1 | |
| | | | 0020-001-100-00-0001d | | OF 1 | |
| | | | REPLACES 0020-001-100-40 | | | |

Mev is-C_35mm

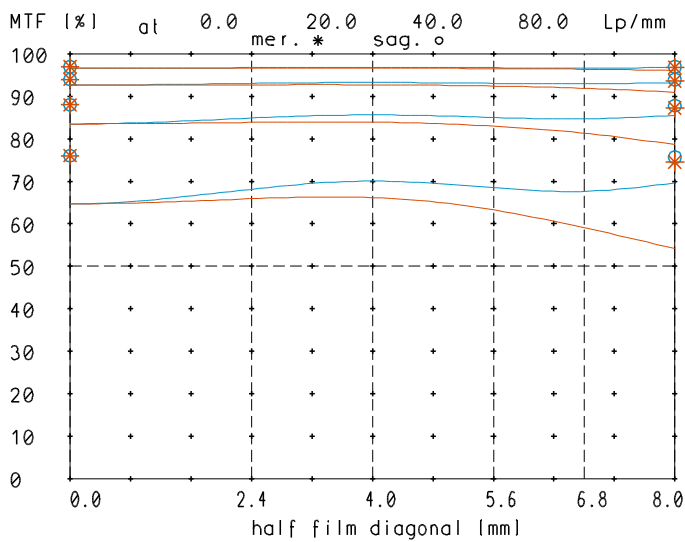
MTF at ratio -0.05 f/ 1.6



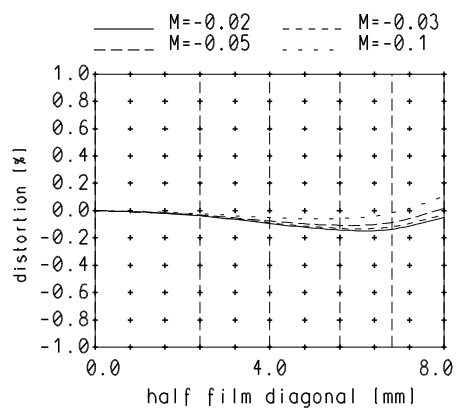
relative light fall-off at ratio -0.05



MTF at ratio -0.05 f/ 4.0

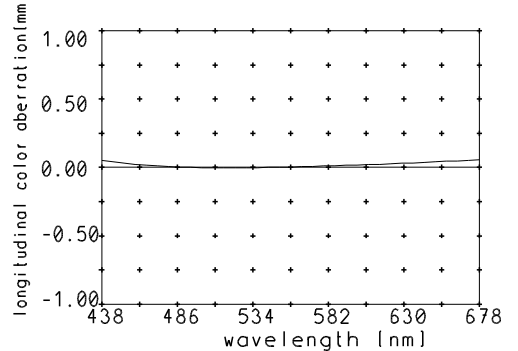


Distortion at ratio -0.02 to -0.1



— sagittal, o Diffraction limited value
 — meridional* Diffraction limited value

Longitudinal color aberration at ratio -0.05



Named frequencies (line pairs/mm) in modular transfer function (MTF) as well as diagrams of relative light fall-off, distortion and longitudinal color aberration refer to film plane.