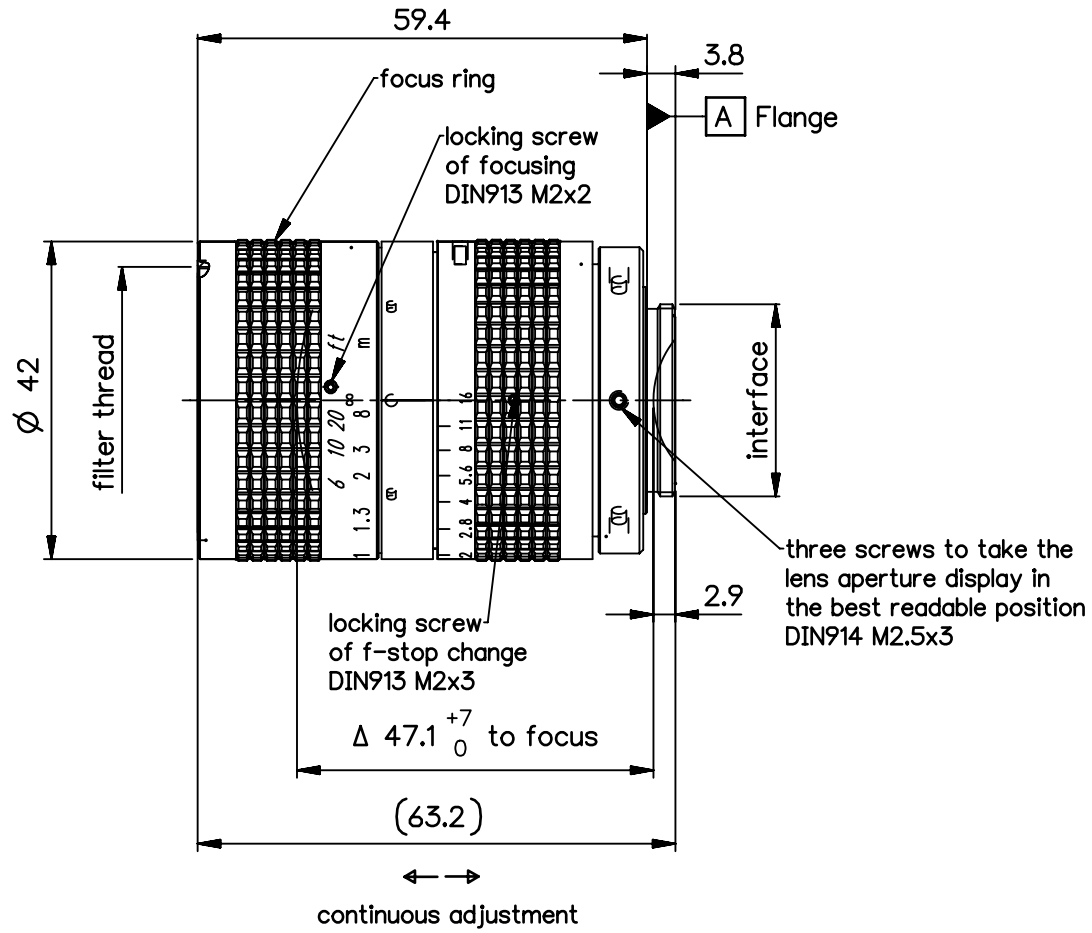
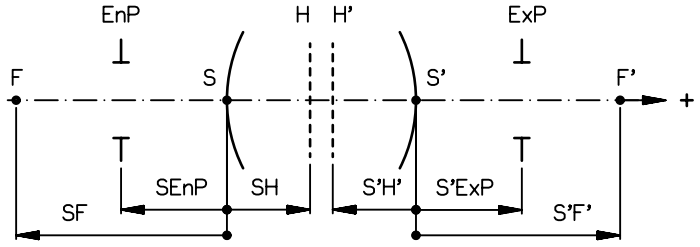
order number	lens name	spectral range λ ***
0020-001-000-40	MeVis-C 1.6/35	450-950 nm
0020-001-000-42	MeVis-C NIR 1.6/35	850-1400 nm



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

schematic diagram *) in air



		f-stop	Ø EnP	Ø ExP
SF (mm)	-11.9			
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

PDM Status: Freigabe | -

REV	ECC	DATE	APPROVED
a	Neuausg		
b	11-358	19.07.11	Kuehne
c	12-0185	09.03.12	Schuber
d	14-0184	25.03.14	Schiffe

GENERAL TOLERANCE OF DIMENSION, FORM, POS.: ---

SURF. TREATMT: ---

SCALE 1:1

MATERIAL: ---

BASIC TOLERANCING PRINCIPLE

TITLE: MeVis-C 1.6/35

	DATE	NAME
FIRST ISSUE	24.01.11	Kuehne
CHKD	24.01.11	Schaeffler

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

QIOPTIQ

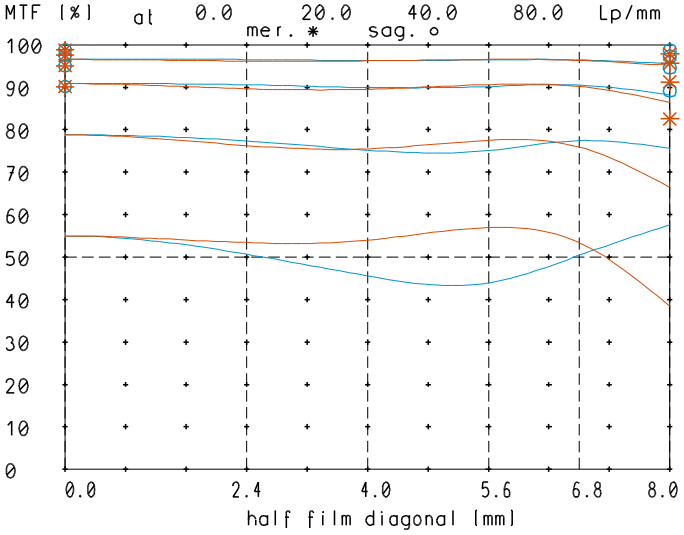
DRAWING NO. 0020-001-100-00-0001d

SHEET 1 OF 1

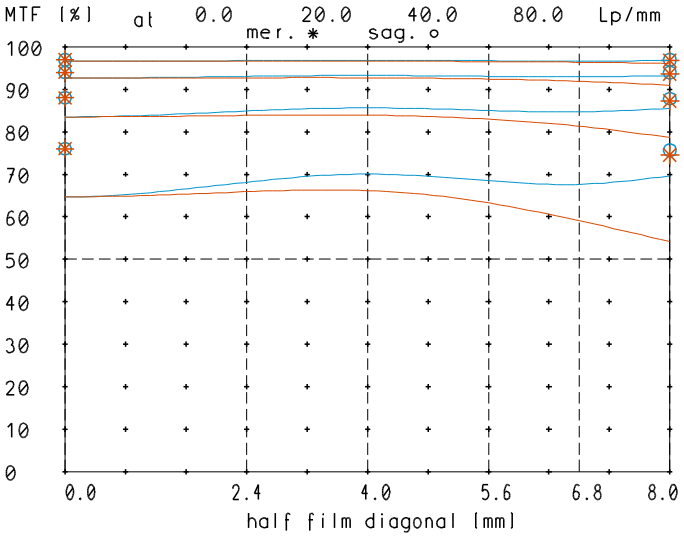
REPLACES 0020-001-100-40

Mevis-C_35mm

MTF at ratio -0.05 f/ 1.6



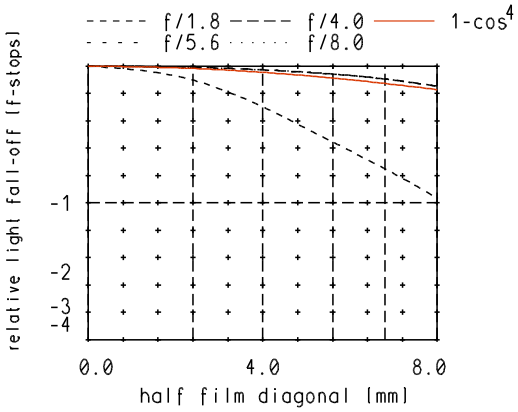
MTF at ratio -0.05 f/ 4.0



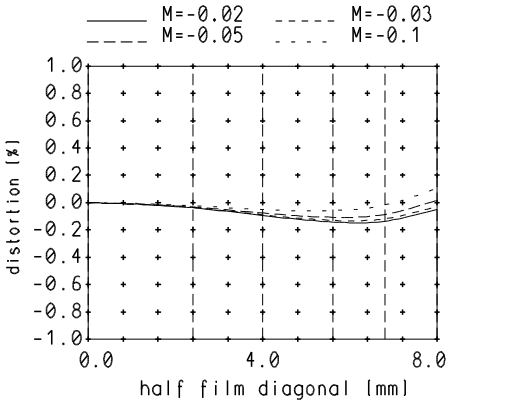
sagittal, o Diffraction limited value
meridional * Diffraction limited value

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.

relative light fall-off at ratio -0.05



Distortion at ratio -0.02 to -0.1



Longitudinal color aberration at ratio -0.05