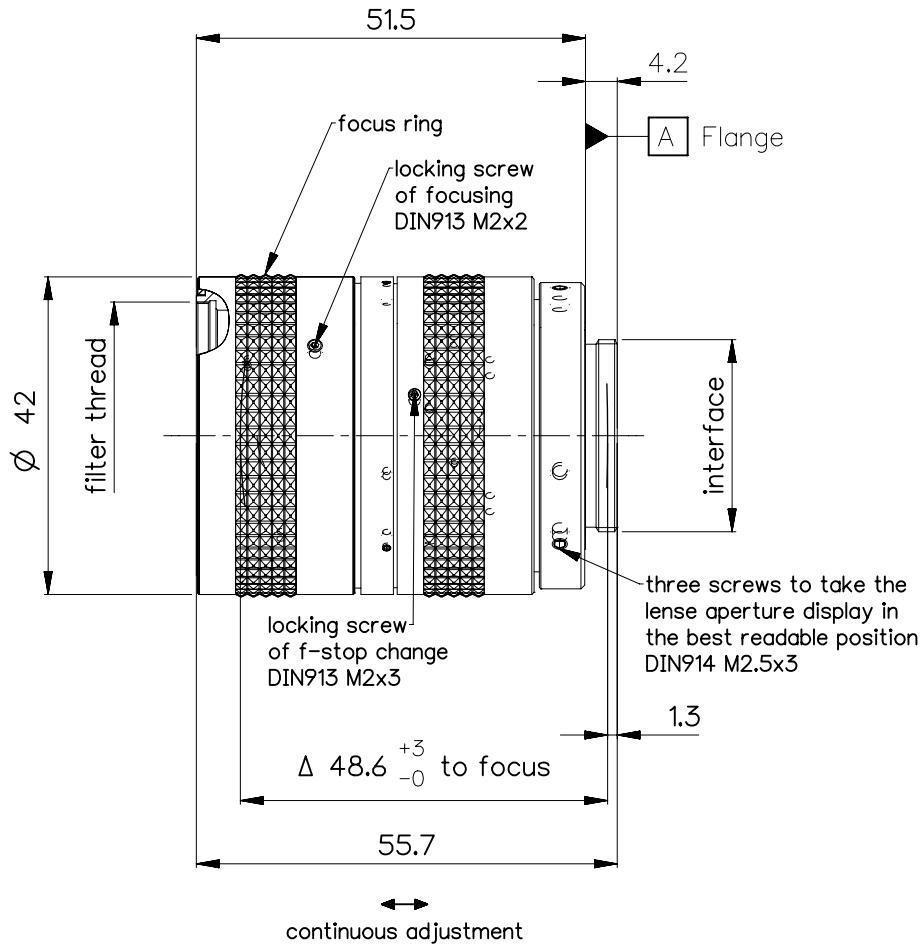
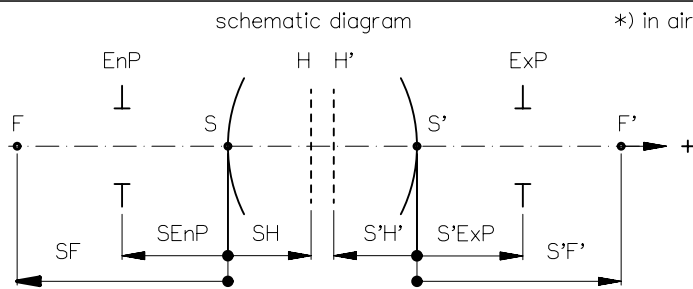


order number	lens name	spectral range λ (nm) ***
0020-004-000-40	MeVis-C 1.6/16	450-950
0020-004-000-42	MeVis-C NIR 1.6/16	850-1400



Specification		ON	5801-9031
image circle max. (mm)	11	working distance (mm)	150 ... ∞
focal length f' (mm)	16.3	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

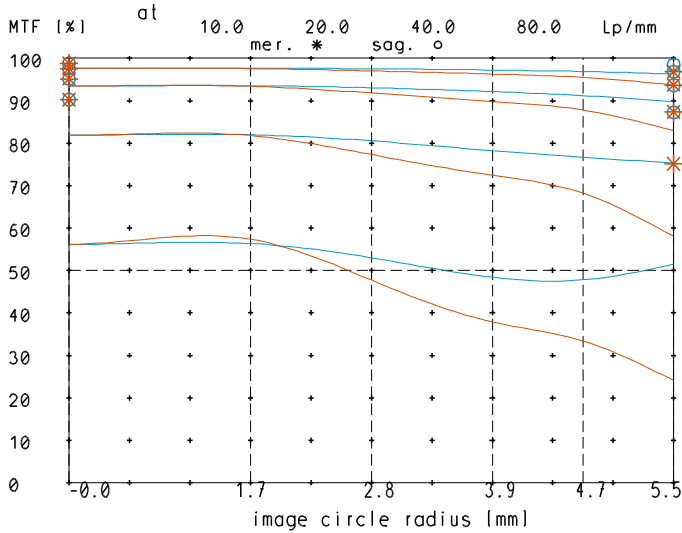


design includes CCD cover glass:		yes 1mm K7		
SF (mm)	13.4	f-stop	\varnothing EnP	\varnothing Exp
S'F' (mm) (*)	13.8	1.6	9.6	31.9
HH' (mm) (*)	17.9	2	7.9	26.2
SH (mm)	29.7	2.8	5.6	18.7
S'H' (mm) (*)	-2.5	4	3.9	13.1
S'EnP (mm)	18.3	5.6	2.8	9.4
S'Exp (mm) (*)	-40.4	11	1.4	4.8

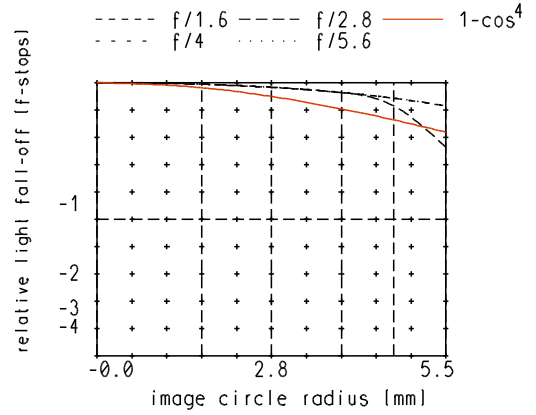
NX	EU-D	AL-T1A	US-D	US-ML	not export controlled	
	REV	ECC	DATE	APPROVED	PDM Status Freigabe	
	a	NeuAusg			-	
	b	11-358	19.07.11	Kuehne	SCALE 1:1	
	c	12-0185	09.03.12	Schuber	MATERIAL	
d	14-0184	31.07.14	Schiffle	BASIC TOLERANCING PRINCIPLE	TITLE	
e	20-0119	06.02.20	Hornbog		MeVis-C 1.6/16	
				FIRST ISSUE	DATE	NAME
				24.01.11	24.01.11	Kuehne
				CHKD	24.01.11	Schaeffler
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT			DRAWING NO. 0020-004-100-00-0001e		SHEET 1 OF 1
				REPLACES		

MeVis-C_1.6/16

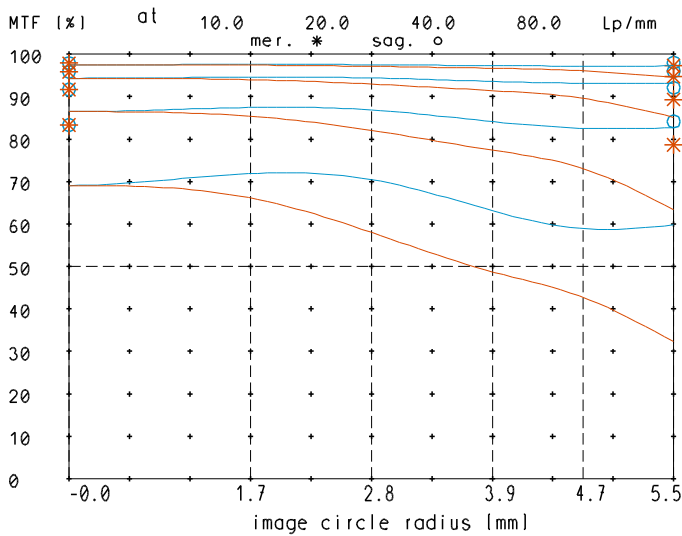
MTF at ratio 0.05 f/ 1.6



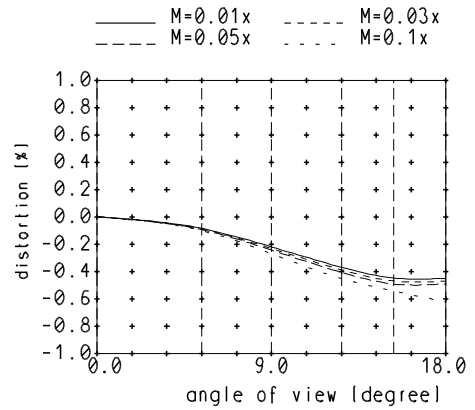
relative light fall-off at ratio 0.05



MTF at ratio 0.05 f/ 2.8

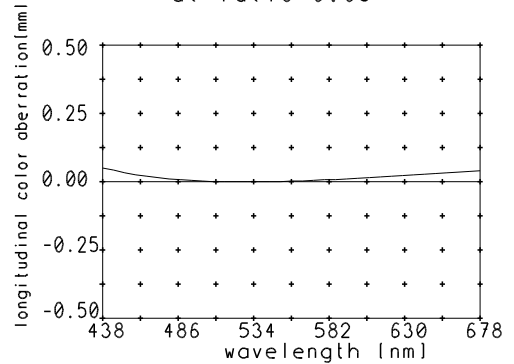


Distortion at ratio 0.01x to 0.1x



— 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.