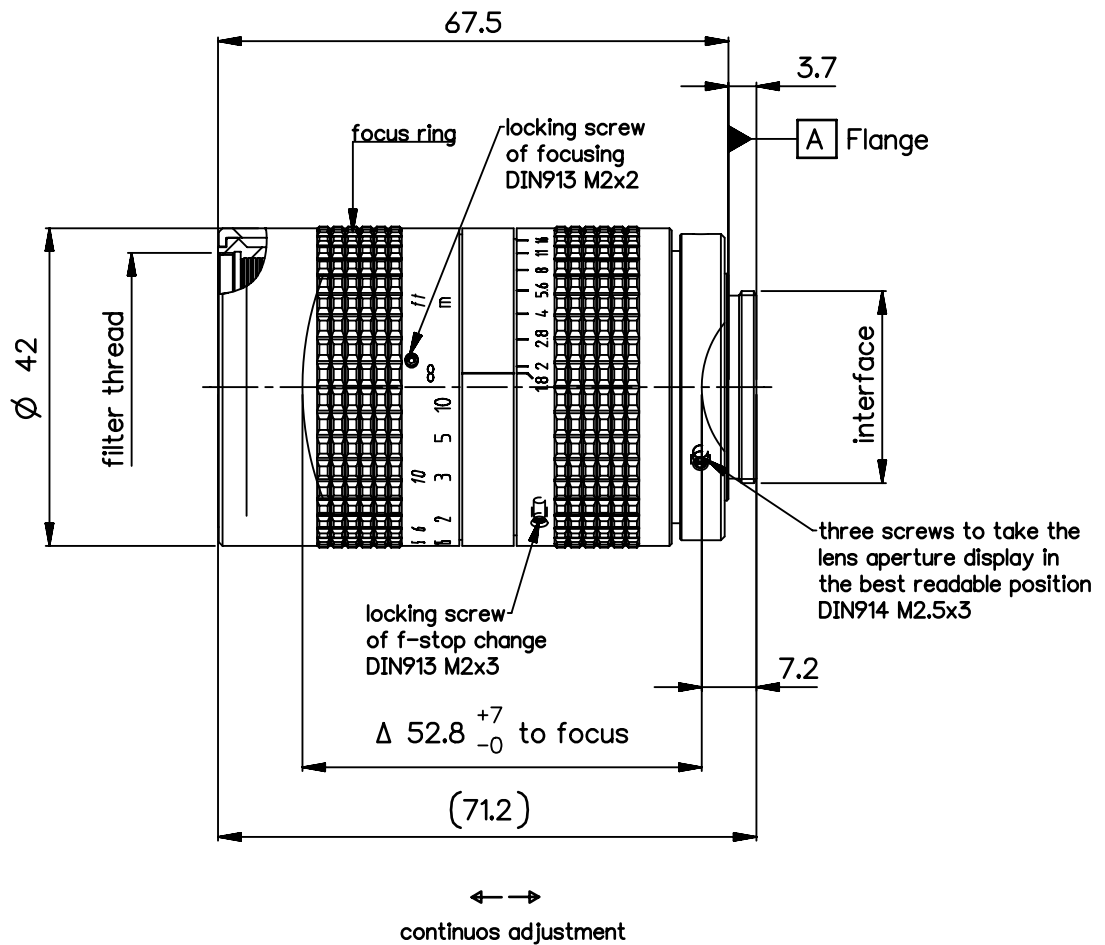
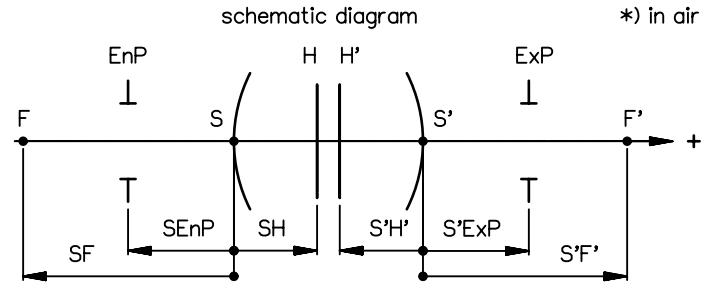


order number	lens name	spectral range $\lambda$ (nm) ***
0020-003-000-40	MeVis-C 1.8/50mm	450-950 nm
0020-003-000-42	MeVis-C NIR 1.8/50mm	850-1400 nm



Specification	ON	5801-9021	
image circle max. (mm)	16	working distance (mm)	670 ... $\infty$
focal length $f'$ (mm) *	50.6	interface	C-mount (1-32 UN 2A)
magnification $\beta'$ [range]	-0.05 [0.075...0]	filter thread	M35.5 x0.5
spectral range $\lambda$ (nm)	***	weight (g)	205

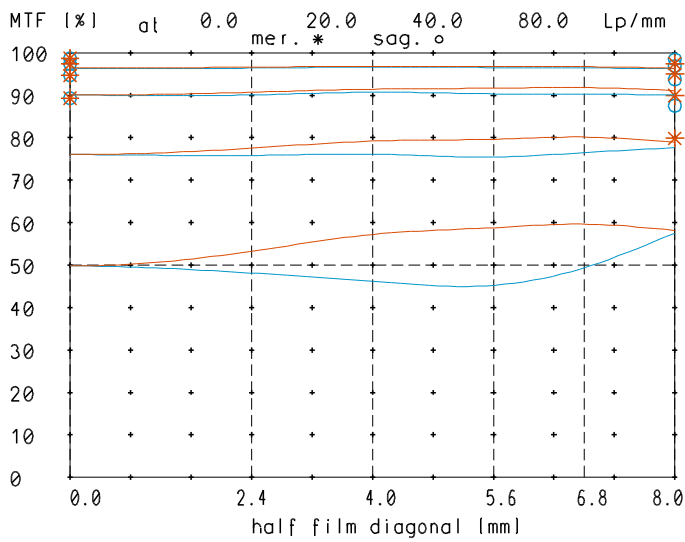


design includes CCD cover glass:	yes 1mm K7						
SF (mm)	-20.5	f-stop	1.8	$\varnothing$ EnP	27.1	$\varnothing$ Exp	22.6
S'F' (mm) *	18.5	HH' (mm) *	-5.5	SH (mm)	30.5	S'H' (mm) *	-32.4
SEnP (mm)	40.5	S'Exp (mm) *	-24.0				

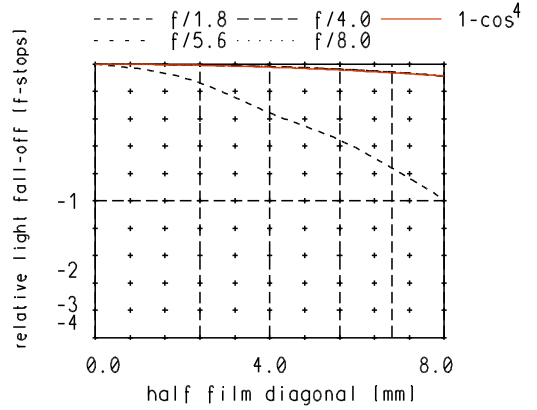
NX	EU-D	AL-T1A	US-D	US-ML	not export controlled	
	REV	ECC	DATE	APPROVED	PDM Status Freigabe	
	a	Neuausg			-	
	b	11-358	19.07.11	Kuehne		
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	c	12-0185	09.03.12	Schuber	SCALE 1:1	
	d	14-0184	31.07.14	Schiffle	MATERIAL	
	BASIC TOLERANCING PRINCIPLE ISO 8015				TITLE	
	FIRST DATE NAME				MeVis-C 1.8/50	
DIN A 4	ISSUE 24.01.11 Kuehne				DRAWING NO. 0020-003-100-00-0001d	
	CHKD 24.01.11 Schaeffler					SHEET 1 OF 1
	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT					
				REPLACES		

# Mev is-C\_50mm

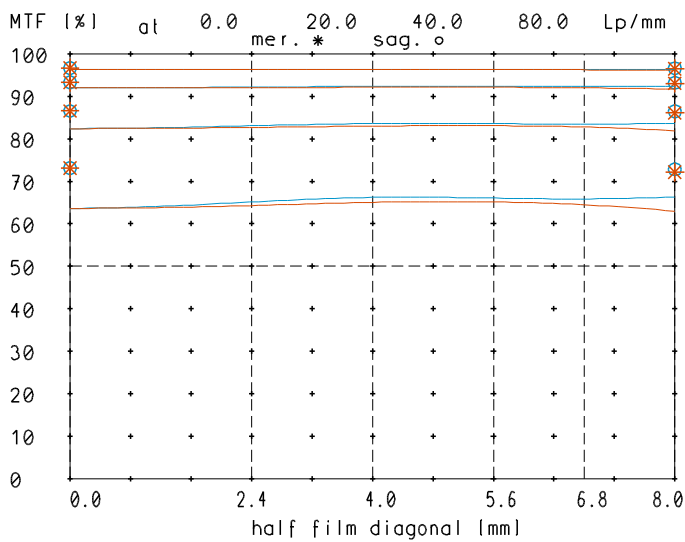
MTF at ratio -0.05 f/ 1.6



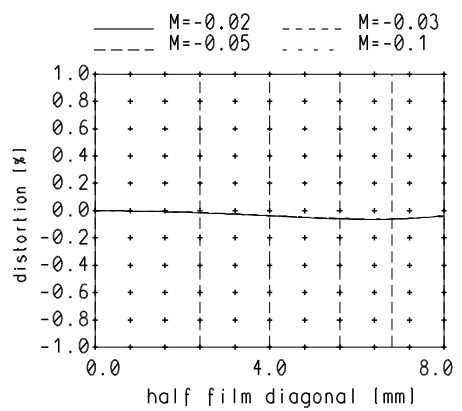
relative light fall-off at ratio -0.05



MTF at ratio -0.05 f/ 4.0

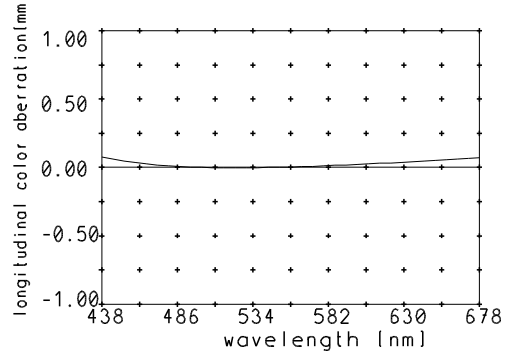


Distortion at ratio -0.02 to -0.1



— 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.