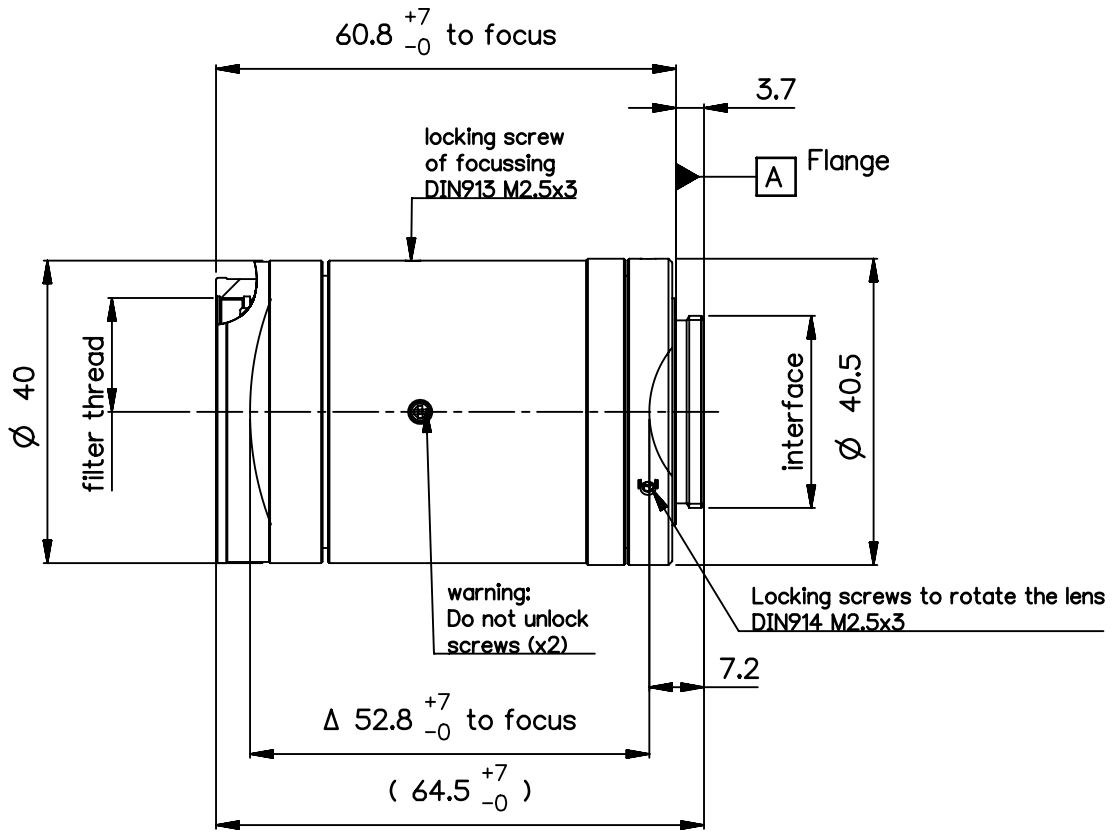
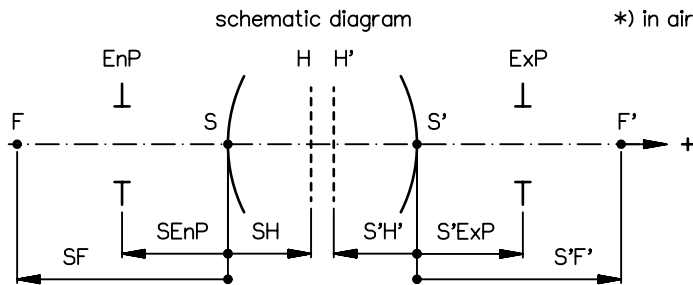


order number	lens name	f-stop
0020-010-000-20	MeVis-CF 1.8/50	1.8
0020-010-000-21	MeVis-CF 2.8/50	2.8
0020-010-000-22	MeVis-CF 4.0/50	4.0



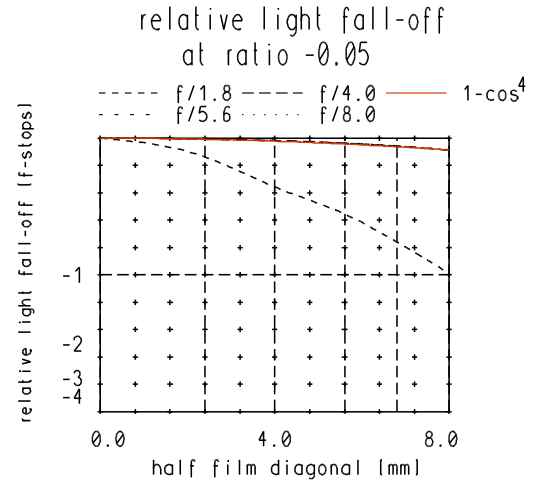
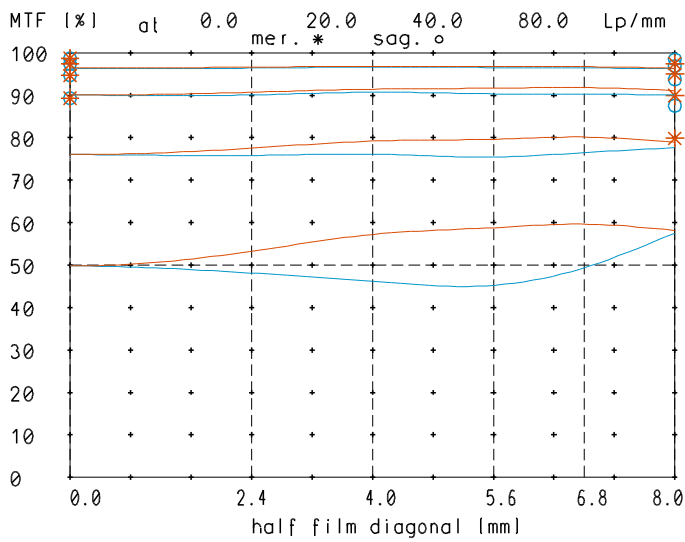
Specification		ON	5801-9021
image circle max. (mm)	16	working distance (mm)	670 ... ∞
focal length f' (mm) *	50.6	interface	C-mount (1-32 UN 2A)
magnification β' [range]	-0.05 [-0.075 ... 0]	filter thread	M35.5 x0.5
spectral range λ (nm)	450 - 950	weight (g)	190
schematic diagram		design includes CCD cover glass: yes 1mm K7	
*) in air		SF (mm)	-20.5
f-stop		f-stop	1.8
∅ EnP		∅ EnP	27.1
∅ Exp		∅ Exp	22.6
S'F' (mm) *		HH' (mm) *	-5.5
HH' (mm) *		SH (mm)	30.5
SH (mm)		S'H' (mm) *	-32.4
S'H' (mm) *		SEnP (mm)	40.5
SEnP (mm)		S'Exp (mm) *	-24.0
S'Exp (mm) *			



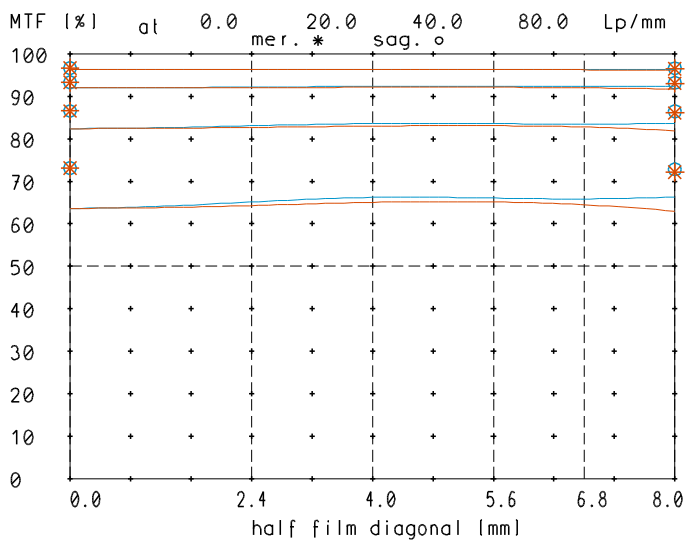
NX	EU-D		AL-T1A		US-D		US-ML		not export controlled	
	PDM Status		Freigabe							
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	REV	ECC	DATE	APPROVED	GENERAL TOLERANCE OF DIMENSION, FORM, POS.	SURF. TREATMT	SCALE 1:1		TITLE MeVis-CF 1.8/50	
	a	Neuausg					MATERIAL			
	b	12-0001	23.01.12	Kuehne						
	c	12-0001	10.02.12	Kuehne						
	d	12-0185	29.03.12	Schuber						
e	14-0184	31.07.14	Schiffel							
BASIC TOLERANCING PRINCIPLE						TITLE				
						FIRST	DATE	NAME		
						ISSUE	06.09.11	Kuehne		
						CHKD	06.09.11	Ulmer		
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT						DRAWING NO.		SHEET 1	
							0020-010-100-00-0001e		OF 1	
						REPLACES				

# Mev is-C\_50mm

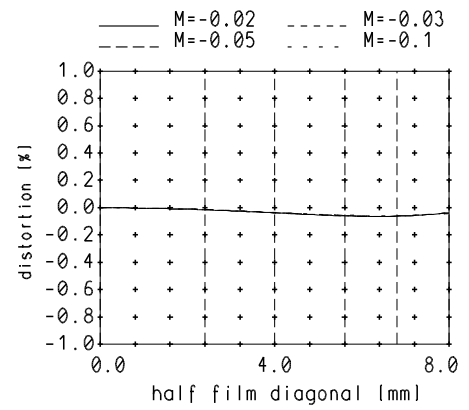
MTF at ratio -0.05 f/ 1.6



MTF at ratio -0.05 f/ 4.0

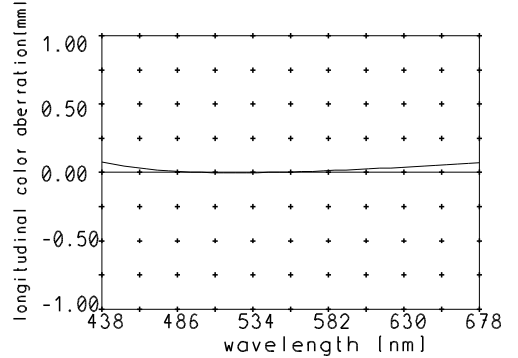


Distortion at ratio -0.02 to -0.1



— 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.