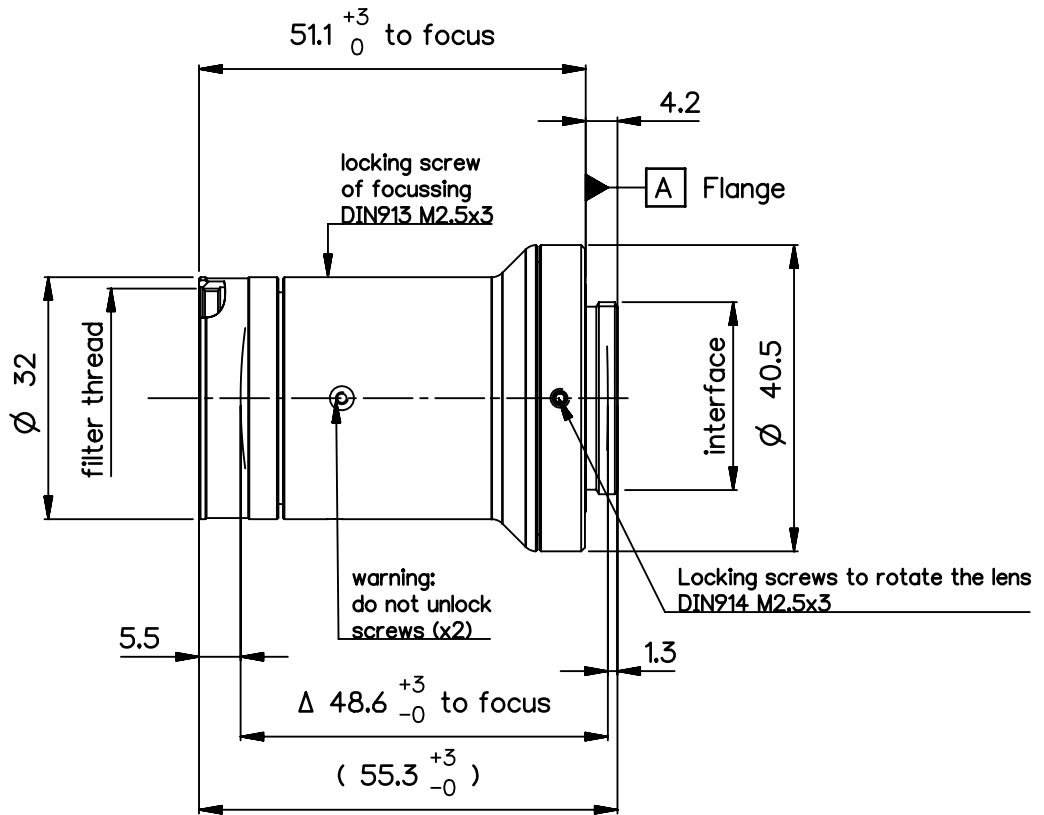
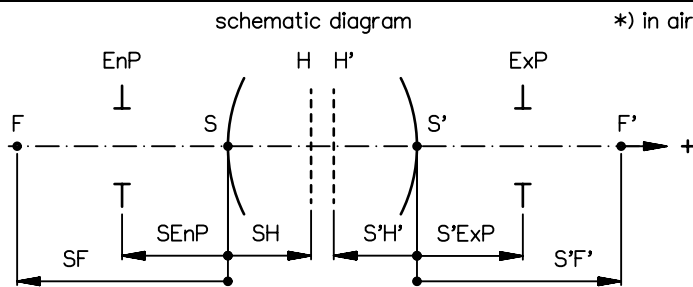


order number	lens name	f-stop
0020-009-000-20	MeVis-CF 1.6/16	1.6
0020-009-000-21	MeVis-CF 2.8/16	2.8
0020-009-000-22	MeVis-CF 4.0/16	4.0



Specification		ON	5801-9031
image circle max. (mm)	11	working distance (mm)	150 ... ∞
focal length f' (mm) *	16	interface	C-mount (1-32 UN 2A)
magnification β' [range]	-0.05 [-0.1 ... 0]	filter thread	M30 x 0.75
spectral range λ (nm)	450 - 950	weight (g)	120

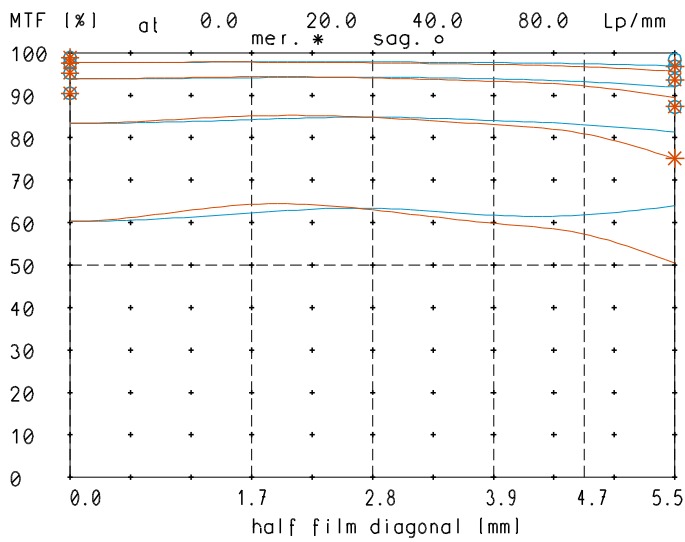


design includes CCD cover glass:		yes 1mm K7		
SF (mm)	13.4	f-stop	∅ EnP	∅ Exp
S'F' (mm) *	13.8	1.6	9.6	31.9
HH' (mm) *	17.9	2.8	5.6	18.7
SH (mm)	29.7	4	3.9	13.1
S'H' (mm) *	-2.4			
SEnP (mm)	18.4			
S'Exp (mm) *	-40.4			

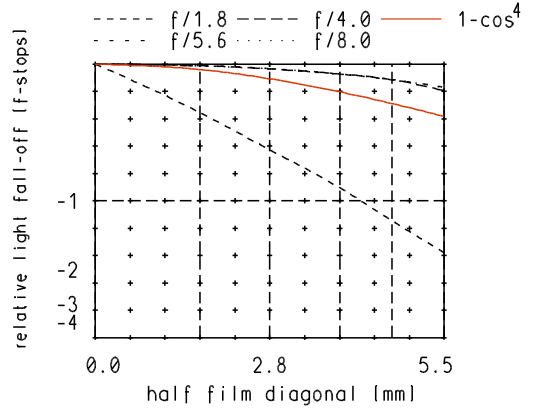
NX	EU-D		AL-T1A		US-D		US-ML		not export controlled	
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	REV	ECC	DATE	APPROVED	GENERAL TOLERANCE OF DIMENSION, FORM, POS.	SURF. TREATMT	SCALE 1:1		-	
	a	Neuausg					ISO 2768-mH	MATERIAL		
	b	12-0001	23.01.12	Kuehne	BASIC TOLERANCING PRINCIPLE ISO 8015	TITLE	MeVis-CF 1.6/16mm			
	c	12-0001	10.02.12	Kuehne						
	d	12-0185	29.03.12	Schuber						
e	14-0184	04.08.14	Schiffe							
					FIRST ISSUE	DATE	NAME	DRAWING NO. 0020-009-100-00-0001e		
					ISSUE	06.09.11	Kuehne			
					CHKD	06.09.11	Ulmer			
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT								SHEET 1 OF 1	
REPLACES										

Mev is-C_16mm

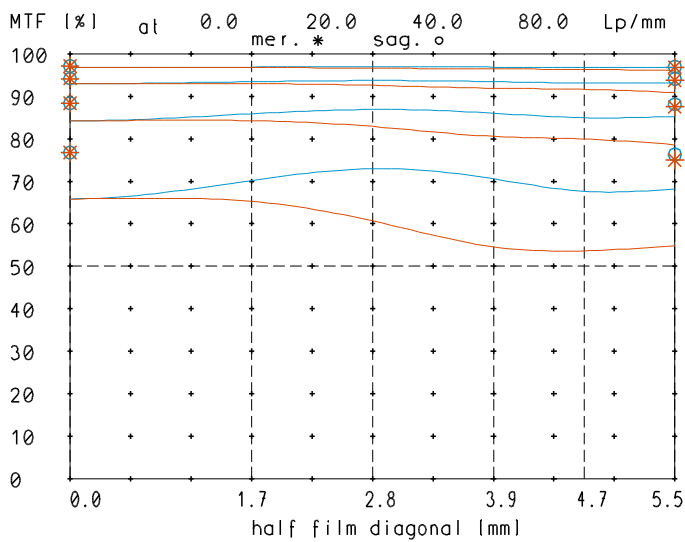
MTF at ratio -0.03 f/ 1.6



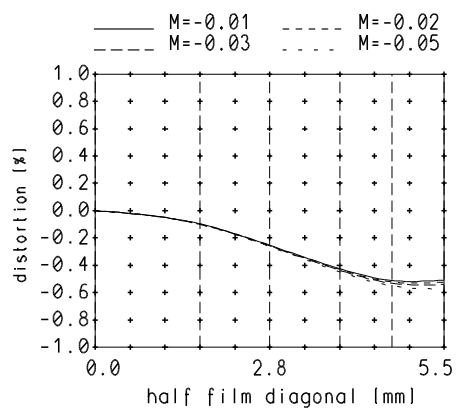
relative light fall-off at ratio -0.03



MTF at ratio -0.03 f/ 4.0

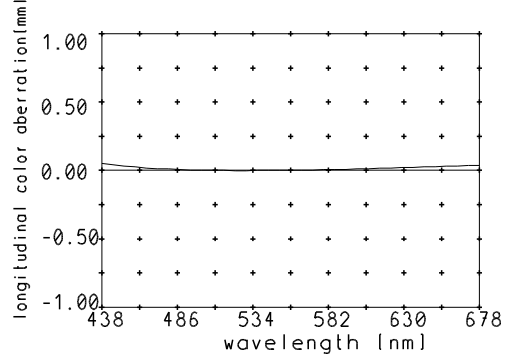


Distortion at ratio -0.01 to -0.05



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

Longitudinal color aberration at ratio -0.03



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.