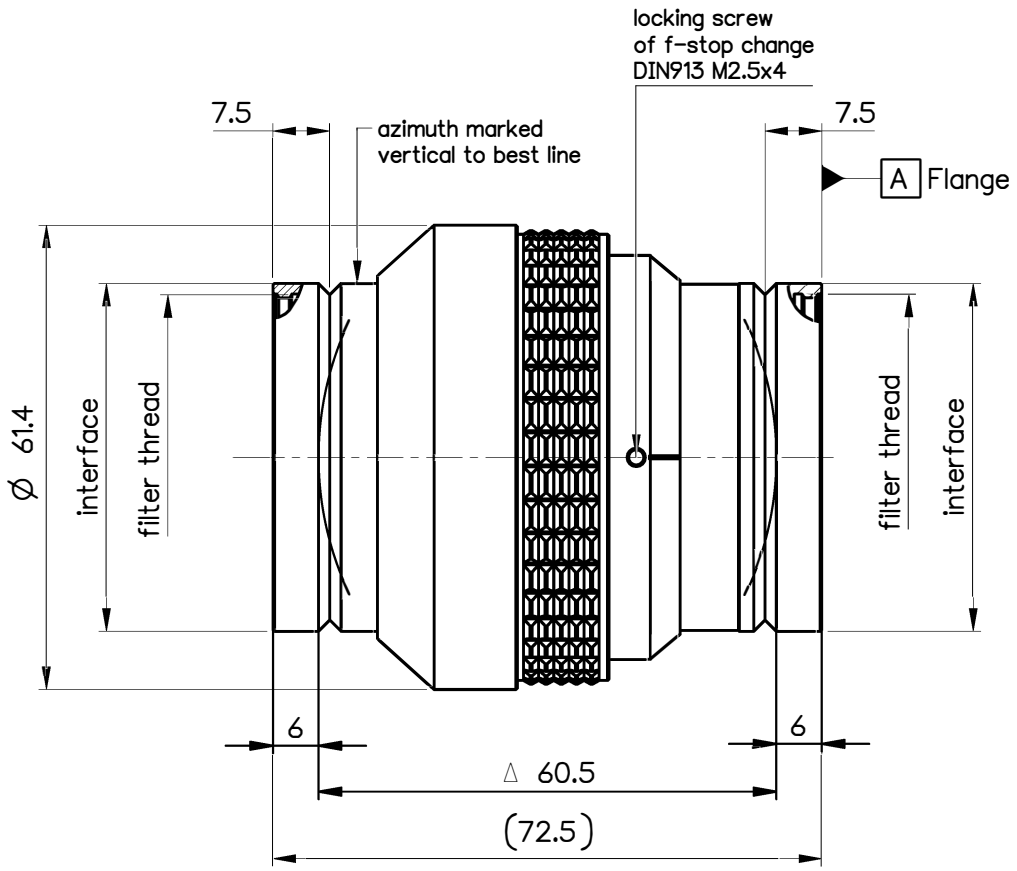
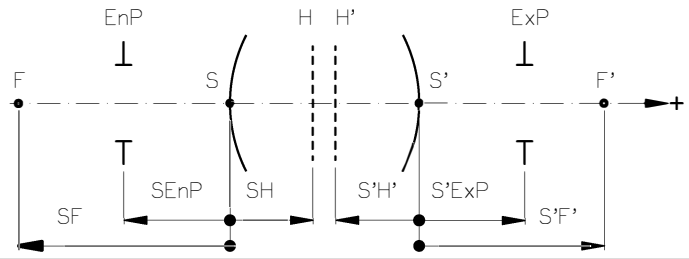
order number	lens name	spectral range λ (nm) ***
0703-082-000-20	inspec.x L 5.6/105 -1x	400 – 750 nm
0703-082-000-30	inspec.x L 5.6/105 -1x VIS-NIR	400 – 1150 nm



Specification		ON	7608-9011
image circle max. (mm)	82	working distance (mm)	153 – 190
focal length f' (mm)	105.4	interface	V-groove Ø46 h7
magnification β' [range]	-1 [-1.2 ... -0.85]	filter thread	M43 x0.75
spectral range λ (nm)	***	weight (g)	370
		design includes CCD cover glass:	yes 0.76mm D263

schematic diagram *) in air



		f-stop	Ø EnP	Ø ExP
SF (mm)	-71.4			
S'F' (mm) *)	71.4	5.6	18.8	18.8
HH' (mm) *)	-7.5	8	13.2	13.2
SH (mm)	34.0	11	9.6	9.6
S'H' (mm) *)	-34.0	16	6.6	6.6
SEnP (mm)	34.1	22	4.8	4.8
S'ExP (mm) *)	-34.0			

EU-D	AL-T1A	US-D	US-ML	not export controlled
			PDM-Status Freigabe	-

REV	ECC	DATE	APPR.
a	Neuausg		
b	08-110	19.09.08	
c	08-110	26.09.08	
d	08-110	03.12.08	
e	08-420	08.12.08	
f	11-358	19.07.11	
g	11-358	21.02.12	
h	14-0184	19.08.14	
i	15-0640	31.07.15	
j	24-0134	01.02.24	

GENERAL TOLERANCE OF DIMENSION, FORM, POS. | SURF. TREATMT

BASIC TOLERANCING PRINCIPLE ISO 8015

FIRST ISSUE	DATE	NAME
	14.05.08	
CHKD	14.05.08	

ALL DEMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

SCALE 1:1

MATERIAL

TITLE
inspec.x L 5.6/105 -1x

DRAWING NO.
0703-082-100-00-0001 j

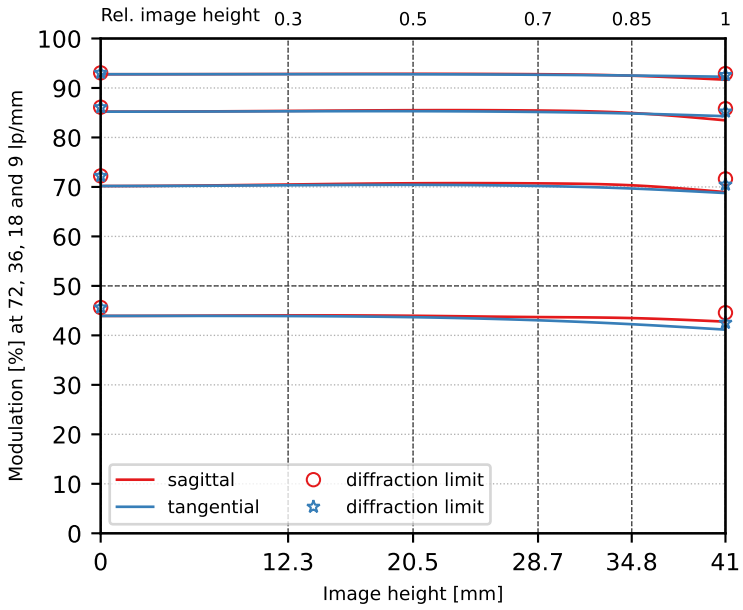
SHEET 1 OF 1

REPLACES

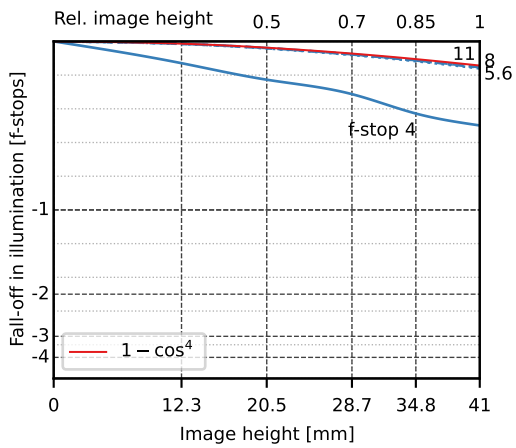
EXCELITAS TECHNOLOGIES CONFIDENTIAL AND PROPRIETARY NOT FOR EXTERNAL DISTRIBUTION
UNLESS COVERED BY A VALID NON-DISCLOSURE AGREEMENT
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

inspec.x L 5.6/105 -1x

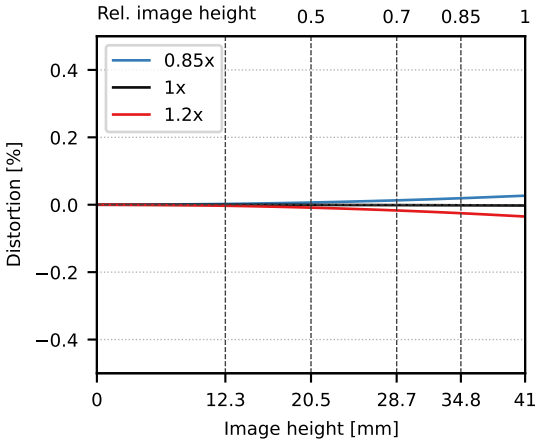
Modulation transfer function Mag. 1x f-stop 5.6



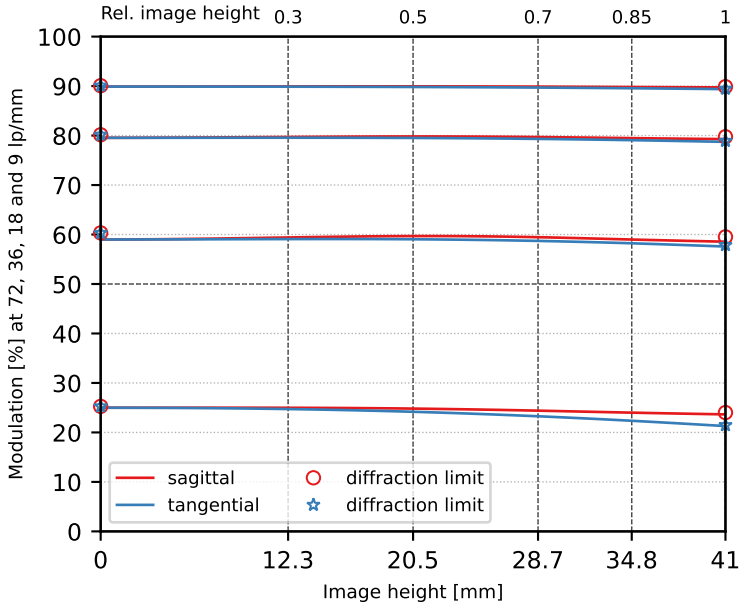
Fall-off in illumination Mag. 1x



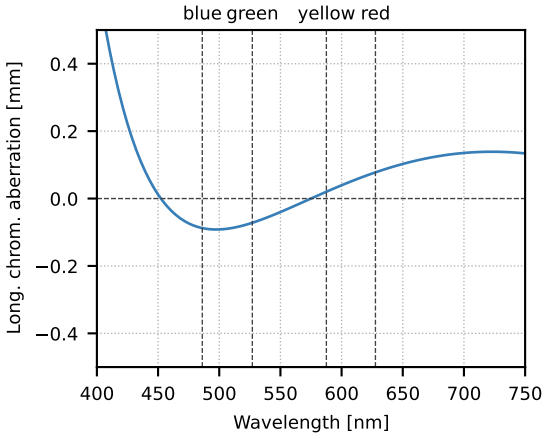
Distortion Mag. 0.85x ... 1.2x



Modulation transfer function Mag. 1x f-stop 8



Long. chrom. aberration Mag. 1x



All spatial frequencies [lp/mm], image heights [mm] and magnifications are related to sensor side.