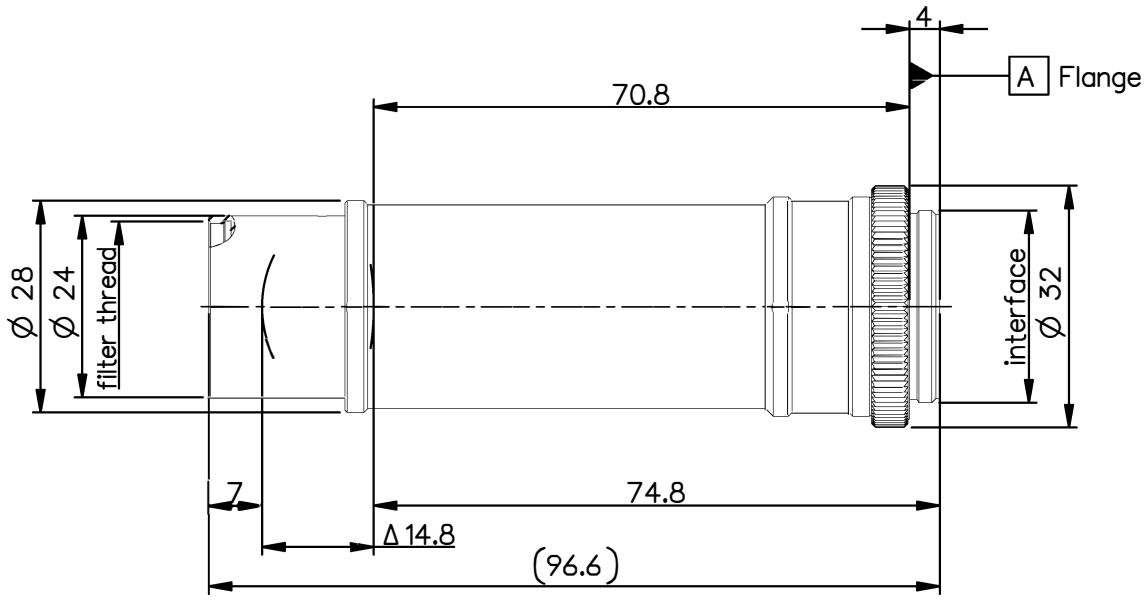
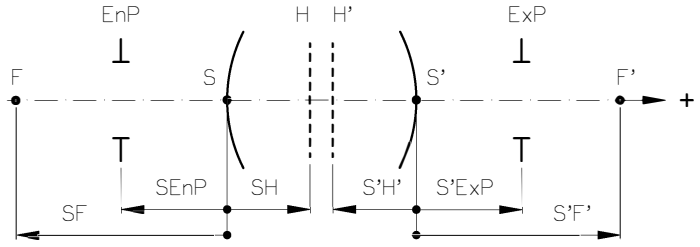
order number	lens name	f-stop
0009-192-000-41	Macro-CCD-Lens -1x 4	4
0009-192-000-42	Macro-CCD-Lens -1x 5.6	5.6



Specification		ON	
image circle max. (mm)	11	working distance (mm)	90
focal length f' (mm)	50.0	interface	C-mount
magnification β' [range]	-1	filter thread	M22.5 x0.5
spectral range λ (nm)	400 - 750	weight (g)	70
		design includes CCD cover glass:	no

schematic diagram *) in air



		f-stop	Ø EnP	Ø ExP
SF (mm)	-47.2			
S'F' (mm) *)	38.5			
HH' (mm) *)	0.5			
SH (mm)	2.8			
S'H' (mm) *)	-11.5			
SEnP (mm)				
S'ExP (mm) *)				

NX

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

REV	ECC	DATE	APPROVED
a	neu		
b	08-0281	24.11.08	
c	11-0358	20.07.11	
d	12-0185	28.03.12	
e	14-0184	17.09.14	
f	14-0184	17.08.15	
g	17-0915	05.12.17	

GENERAL TOLERANCE OF DIMENSION, FORM, POS.

SURF. TREATMT

BASIC TOLERANCING PRINCIPLE

FIRST ISSUE	DATE
CHKD	17.09.14

SCALE 1:1

MATERIAL

TITLE

Macro-CCD-Lens -1x

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

excelitas®

DRAWING NO. 0009-192-100-00-0001g

SHEET 1 OF 1

REPLACES