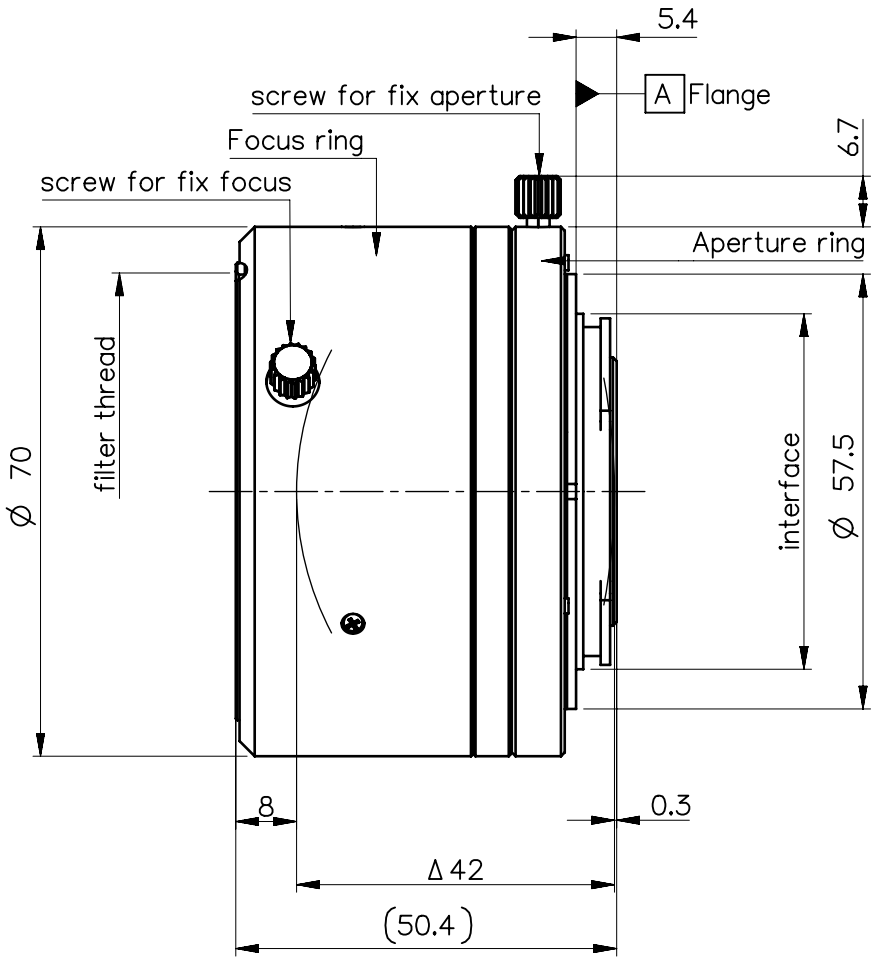
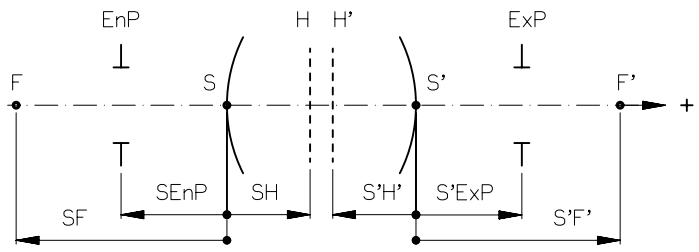
order number	lens name	spectral range
0009-243-000-40	Inspec.x M 1.4/50	400-700nm
0009-243-000-42	Inspec.x M 1.4/50 NIR	900-1350nm



Specification		ON	
image circle max. (mm)	43.5	working distance (mm)	733.5
focal length f' (mm) *)	51.5	interface	F-mount
magnification β' [range]	-0.07 [-0.15 ... 0]	filter thread	M58 x0.75
spectral range λ (nm)	400 - 700	weight (g)	350
		design includes CCD cover glass:	no

schematic diagram *) in air



		f-stop	Ø EnP	Ø ExP
SF (mm)	-20.5			
S'F' (mm) *)	37.5	1.4		
HH' (mm) *)	-4.8	2.8		
SH (mm)	33.1	4		
S'H' (mm) *)	-13.7	5.6		
SEnP (mm)	26.9	8		
S'ExP (mm) *)	-27.8	16		

NX

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

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

REV	ECC	DATE	APPROVED
a	Neuausg		
b	11-358	20.07.11	Kuehne
c	11-358	28.09.11	Labarte
d	14-0184	22.09.14	Schiffe

GENERAL TOLERANCE OF DIMENSION, FORM, POS.: ISO 2768-mH

SURF. TREATMT

BASIC TOLERANCING PRINCIPLE: ISO 8015

FIRST ISSUE	DATE	NAME
	15.02.11	Schiffer
CHKD	15.02.11	Stauder

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

QIOPTIQ

SCALE 1:1

MATERIAL

TITLE

Inspec.x M1.4/50

DRAWING NO. 0009-243-100-00-0001d

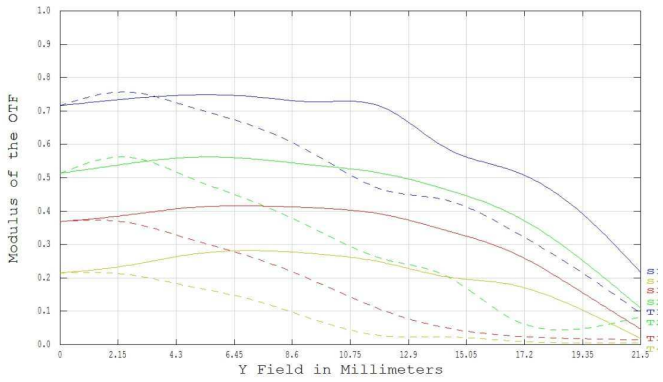
SHEET 1 OF 1

REPLACES

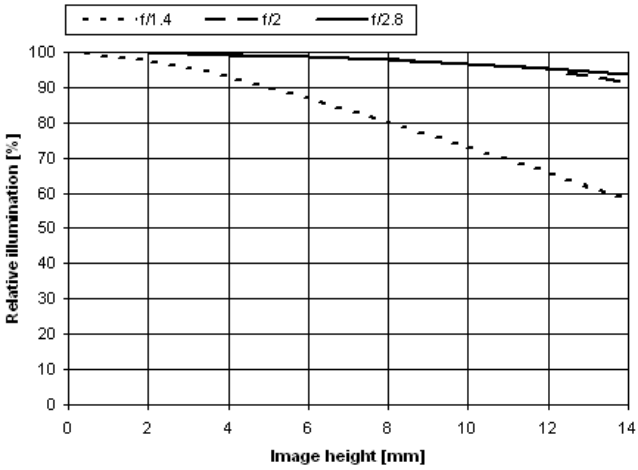
Inspec.x M 1.4/50

MTF at ratio = 0.07 f/1.4

MTF [%] for 5.0 10.0 20.0 40.0 Lp / mm

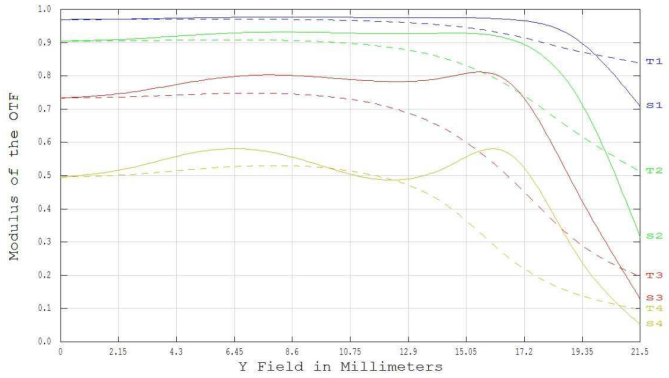


Relative light fall off at ratio = 0.07

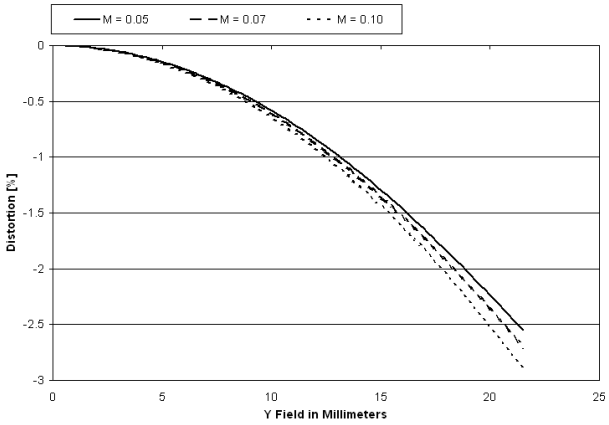


MTF at ratio = 0,07 f/2.8

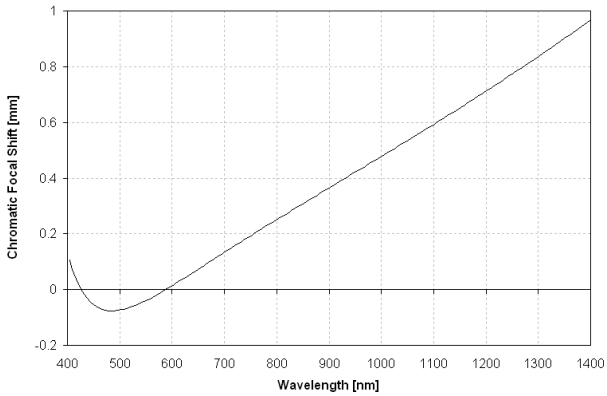
MTF [%] for 5.0 10.0 20.0 40.0 Lp / mm



Distortion at ratio = 0.05x to 0.1x



Longitudinal color aberration at ratio = 0.07



Spatial frequencies (Lp/mm) as well as diagrams for relative light fall off, distortion and color aberration refer to image (sensor) plane.