

TC 2M 16

BI-TELECENTRIC LENS FOR 1" (16MM DIAGONAL) DETECTORS



Model:		TC 2M 16 /C (/F)
Magnification (X):		0,769 +/- 3%
Object Field (mm):	<i>Cypress IBIS4-6600:</i> <i>Kodak KAI 2020:</i> <i>Kodak KAI 2093:</i>	13,7 x 10,0 15,4 x 11,5 18,5 x 10,4
Working Distance (mm):		45,3 +/- 1
Working F-number:		16
MTF @50 lp/mm (%):		> 30 (*)
Field Depth (mm):		2,3 @ F/ 16
Telecentricity (degree):		< 0,1
Distortion (%):		< 0,1
Mount:		C (/C) or F (/F)
Length (mm):		198,0
Maximum external diameter (mm):		37,7
Weigh (g):		660

(*) Green or Red LED or pseudo monochromatic light highly recommended for optical specification improvement

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with *LTCL16* illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
Compatible with *LTBK36* illuminator.



Clamping Mechanics:
not available.



Direct illumination:
compatible with *LTRN36* diffusive
anular illuminators.

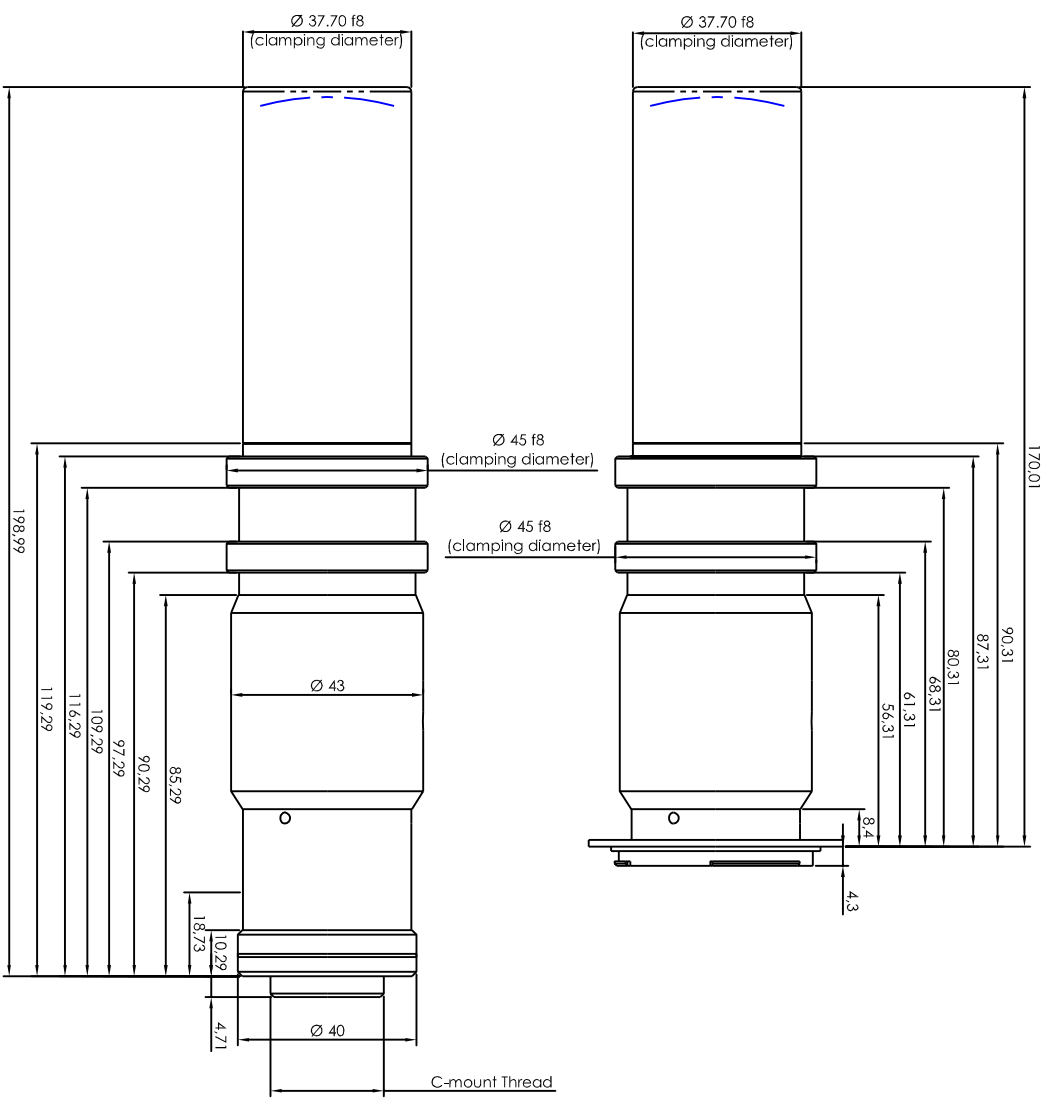


Filters:
filters can be inserted in the rear part
of the lens with the C-mount option.

Rev No.	Description	Date	Name
A	First light	01/05/03	A.Vismara
D	Redesign	18/07/06	A.Vismara

TC 2M 16/F (F-mount)

TC 2M 16/C (C-mount)



Material		N.A.		Mass		0.41 Kg		Scale		1:1	
Surface treatment		N.A.		Project/Prod/Item/Instrument		telecentric lens TC2M16		Description		Assembly	
Geometrical tolerance (ISO 27692)		Class	K	Undimensioned	1x45°	Drawing No.		18322-0-A-TC2M16		Sheet	
U3	>3°	>6°	>30°	>120°	>400°	>1000°	>2000°	Date		Name	
+3	6	30	120	+400	1000	+2000	+4000	Designed	18/07/06	A.Vismara	
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	Drow	18/07/06	A.Vismara	
UNDEC		UNDEC		UNDEC		UNDEC		Checked	X	C. Sedozzi	
OPTO ENGINEERING S.r.l. - 46100 Mantova Italy - Via Cremona, 28 - Tel. +39 0376 229565 - e-mail: info@opto-engineering.com - http://www.opto-engineering.com		Reproduction forbidden without specific authorization		Date		Name		18322-0-A-TC2M16		1/1	

