

TC 4M 16

BI-TELECENTRIC LENS FOR 4MPiX (22MM DIAGONAL) DETECTORS



Model:	TC 4M 16 /C or /F
Magnification (X):	1,056 +/- 3%
Object Field (mm):	<i>Cypress IBIS4-6600:</i> 9,9 x 7,3 <i>Kodak KAI 2020:</i> 11,2 x 8,4 <i>Kodak KAI 2093:</i> 13,5 x 7,6 <i>MICRON MI-MV40:</i> 15,6 x 11,5 <i>Kodak KAI4011/4021:</i> 14,4 x 14,4
Working Distance (mm):	45,3 +/- 1
Working F-number:	16
MTF @50 lp/mm (%):	> 30 (*)
Field Depth (mm):	1,5 @ F/ 16
Telecentricity (degree):	< 0,1
Distortion (%):	< 0,1
Mount:	C (/C) or F (/F)
Length (mm):	217,7
Maximum external diameter (mm):	37,7
Weigh (g):	700

(*) 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.

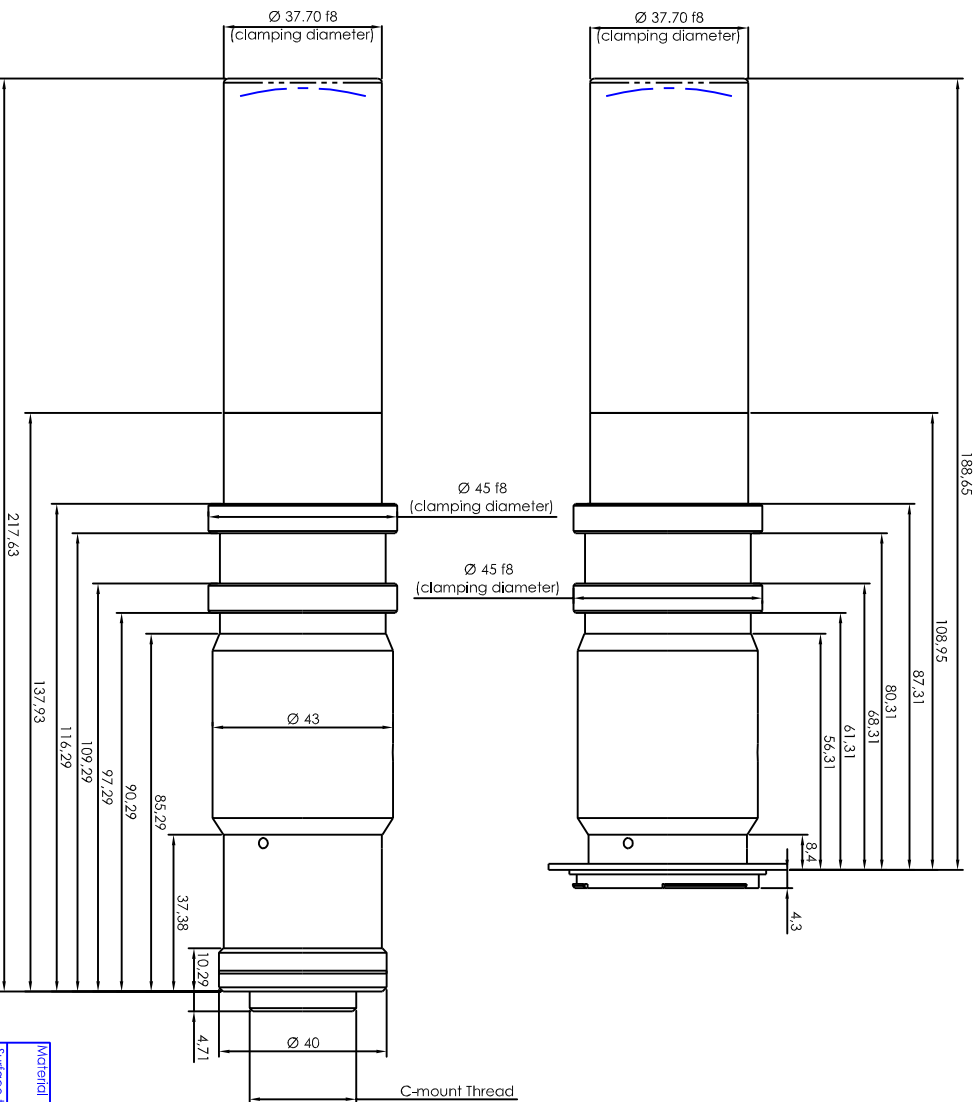


Direct illumination:
compatible with *LTRN36* diffusive
anular illuminators.



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 4M 16/F (F-mount)

TC 4M 16/C (C-mount)

Material	N.A.	Mass	0.41 kg	Scale	1:1
Surface treatment	N.A.	Project/Item/Instrument	Telecentric lens TC4M16		
Description		Assembly			

Geometrical tolerance (ISO 2768-2)		Class	K	Undimensioned	1x45°
U.S	>3*	>6*	>30*	>120	>400*
F.S	6	30	120	400	1000
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					±100

Designed	18/07/06	A. Vismara	Drawing No.	18304-0-A-TC4M16	Sheet	1/1
Draw	18/07/06	A. Vismara	Reproduction forbidden without specific authorization			
Checked	X	C. Sedazzoli				

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