

TC 4M 04

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



Model:	TC 4M 04	/C or /F
Magnification (X):	4,00 +/- 3%	
Object Field (mm):	<i>Cypress IBIS4-6600:</i>	2,6 x 1,9
	<i>Kodak KAI 2020:</i>	3,0 x 2,2
	<i>Kodak KAI 2093:</i>	3,6 x 2,0
	<i>MICRON MI-MV40:</i>	4,1 x 3,0
	<i>Kodak KAI4011/4021:</i>	3,8 x 3,8
Working Distance (mm):	57,1 +/- 2	
Working F-number:	16	
MTF @50 lp/mm (%):	> 30 (*)	
Field Depth (mm):	0,1 @ F/ 16	
Telecentricity (degree):	< 0,1	
Distortion (%):	< 0,1	
Mount:	C (/C) or F (/F)	
Length (mm):	206,4	
Maximum external diameter (mm):	28,0	
Weigh (g):	530	

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

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL23 illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
Compatible with LTBK36 illuminator.



Clamping Mechanics:
the lens is light and can be directly
held by the camera.



Direct illumination:
compatible with LTRN23 diffusive
anular illuminators.

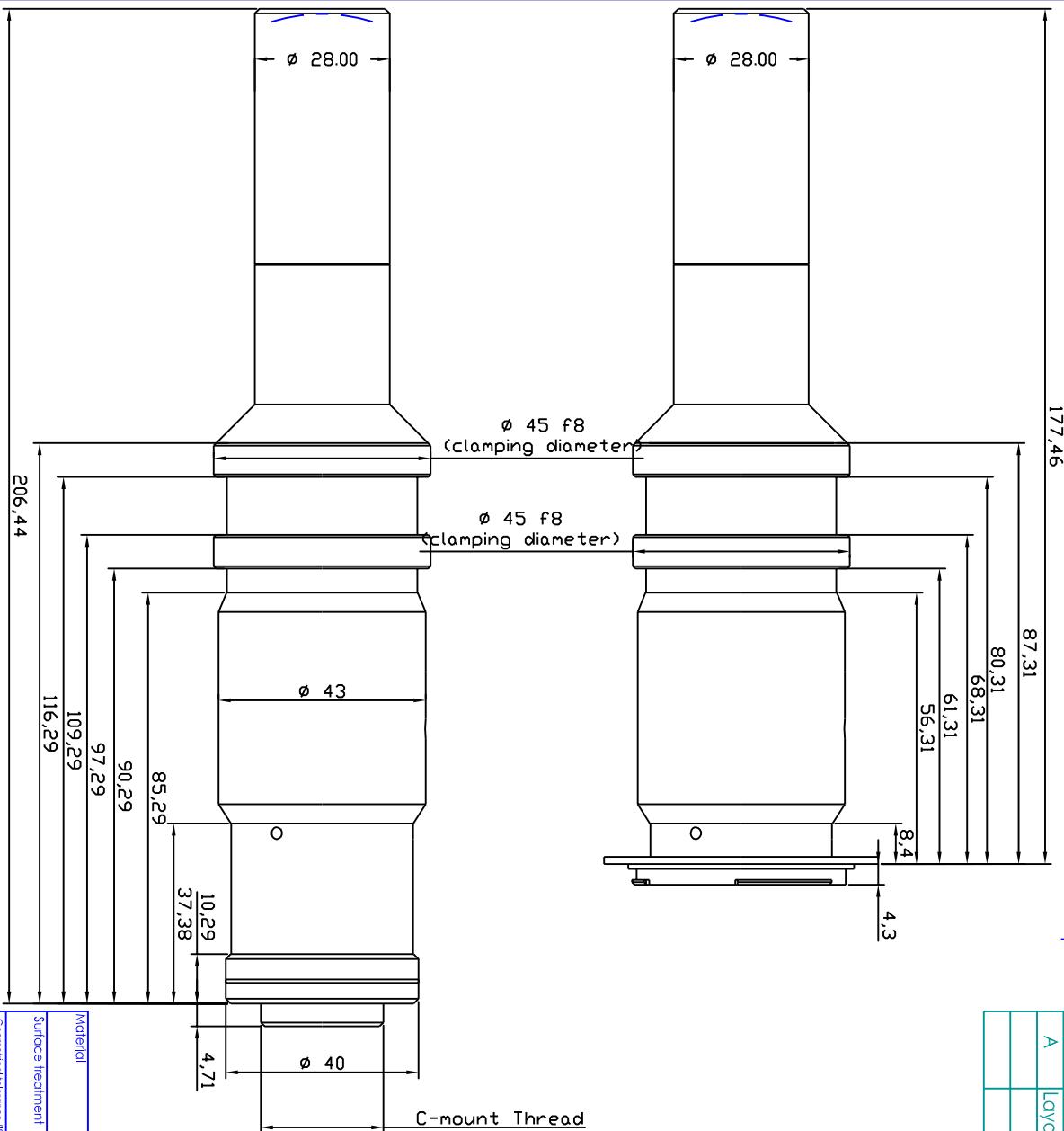


Filters:
filters can be inserted in the rear part
of the lens with the C-mount option.

Rev No.	Description	Date	Name
A	Layout	07/06/05	A. Vismarca

TC 4M 04/F (F-mount)

TC 4M 04/C (C-mount)



Material	N.A.	Mass	0.53 Kg	Scale	1:1
Surface treatment	N.A.	Project/ProdItem/Instrument	Assembly		
Geometrical tolerance (ISO 27692)	Class	K	Undimensioned	1x45°	Description
Upper tolerance (ISO 27692)	Class	m	bevels	Undimensioned	
±0.1	±0.1	±0.2	±0.3	±0.5	R 0.5
±0.3	±0.5	±0.8	±1.2	±2	Undimensioned
±0.5	±0.8	±1.2	±2	±2	Undimensioned
±1.2	±2	±2	±2	±2	Undimensioned
±2	±2	±2	±2	±2	Undimensioned

Design	Date	Name	Checked	Date	Name
Designed	07/06/05	A. Vismarca			
Drow	07/06/05	A. Vismarca			
Checked	X	C. Sedqzchi	X		

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