

TC 4M 24

BI-TELECENTRIC LENS FOR
LARGE DETECTORS UP TO 1.2"
(21.5 MM DIAGONAL)



Part Number	TC 4M 24 (/C /F)	
Magnification		0,700 +/- 3%
Field Of View	(mm)	
with IBIS4-6600		15,0 x 11,0
with KAI2020		16,9 x 12,7
with KAI 2093		20,3 x 11,4
with MI-MV40		23,5 x 17,3
with KAI4011/4021		21,7 x 21,7
Working Distance	(mm)	69,2 +/- 2
Working F-number		16
Telecentricity	(degree)	< 0,1
Distortion	(%)	< 0,1
Field Depth	(mm)	2,0
CTF @50 lp/mm	(%)	> 30
Image side N.A.		0,0310
Object side N.A.		0,0220
Mount		C or F
Length	(mm)	242,5
External diameter	(mm)	44,0
Weight	(g)	810

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL24 illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
Compatible with LTBK36 and LTBK48
illuminators.



Clamping Mechanics:
compatible with CMHO24.



Direct illumination:
compatible with LTRN36 diffusive
anular illuminators.



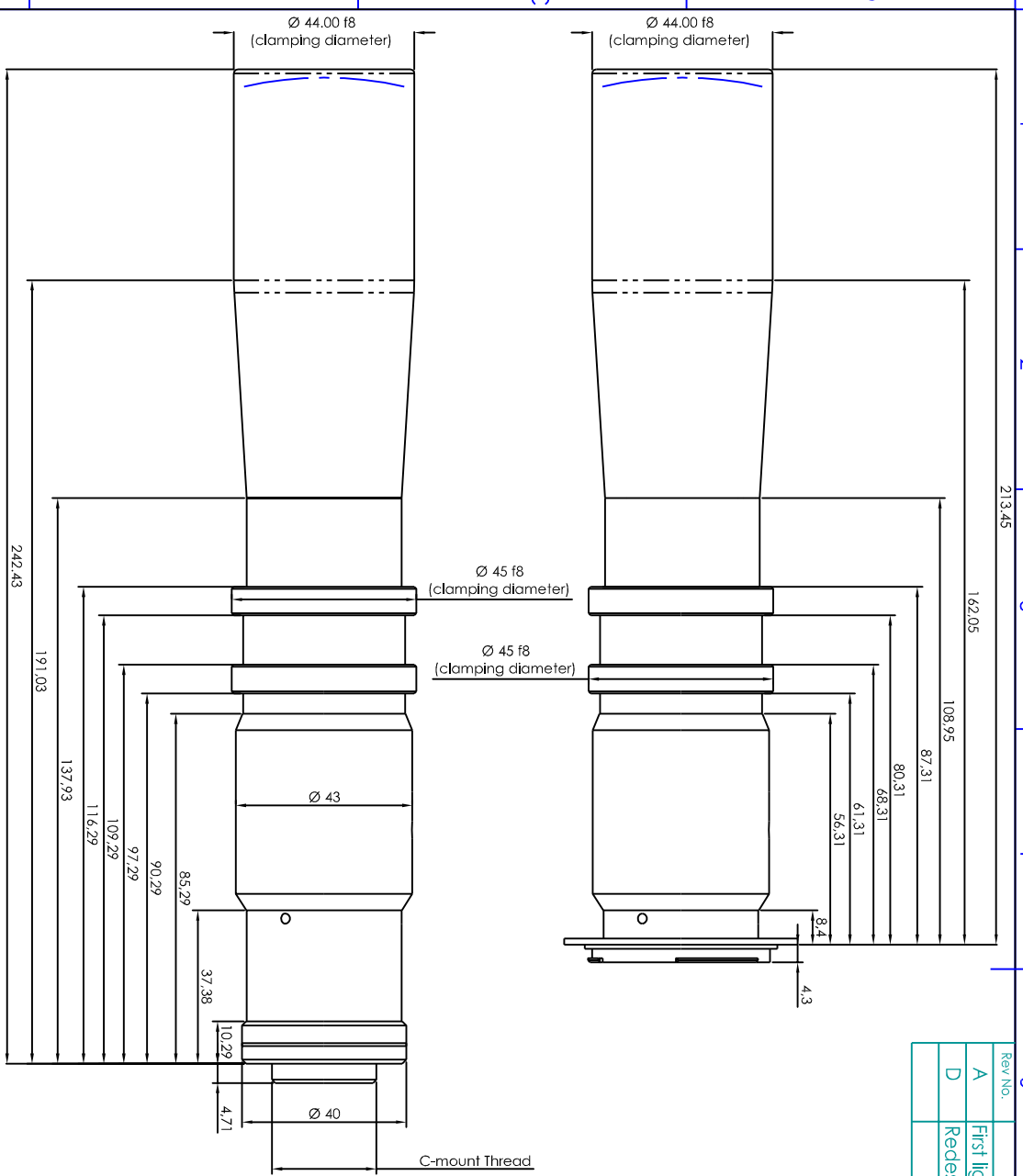
Filters:
filters can be inserted in the rear part
of the lens in the C-mount version.

MECHANICAL DRAWINGS: see next page >>

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

TC 4M 24/F (F-mount)

TC 4M 24/C (C-mount)



Material	N.A.	Mass	0.41 Kg	Scale	1:1
Surface treatment	N.A.	Project/Prod/Item/Instrument	Telecentric lens TC4M24		

Geometrical tolerance (ISO 27692)	Class	K	Undimensioned	1x45°	Description
U3	>3*	>100*	Undimensioned	in bevels	Assembly
+3	6	30	+2000	radial	
±0.1	±0.1	±0.2	±2		

Class	K	Undimensioned	1x45°	Description
>120	>400*	>1000	>2000	Undimensioned
+400	1000	+2000	+4000	radial
±0.5	±0.8	±1.2		

Date	Name	Drawing No.	Sheet
18/07/06	A. Vismara	18305-0-A-TC4M24	1/1
18/07/06	A. Vismara		
X	C. Sedozzi		

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