

TC 4M 64

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



Model:	TC 4M 64	/C (/F)
Magnification (X):	0,275 +/- 3%	
Object Field (mm):	<i>Cypress IBIS4-6600:</i>	38,2 x 28,1
	<i>Kodak KAI 2020:</i>	43,1 x 32,3
	<i>Kodak KAI 2093:</i>	51,7 x 29,1
	<i>MICRON MI-MV40:</i>	59,9 x 44,0
	<i>Kodak KAI4011/4021:</i>	55,1 = 55,1
Working Distance (mm):	182,3 +/- 5	
Working F-number:	16	
MTF @50 lp/mm (%):	> 30 (*)	
Field Depth (mm):	18,0 @ F/ 16	
Telecentricity (degree):	< 0,1	
Distortion (%):	< 0,1	
Mount:	C (/C) or F (/F)	
Length (mm):	350,5	
Maximum external diameter (mm):	100,0	
Weigh (g):	1500	

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

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL64 illuminator;
green light suggested.



Coaxial illumination:
compatible with LTCX64 illuminator.



Back Light illumination:
Compatible with LTBK64 illuminator.



Clamping Mechanics:
compatible with Teleclamp64.



Direct illumination:
compatible with LTRN64 diffusive
anular illuminators.

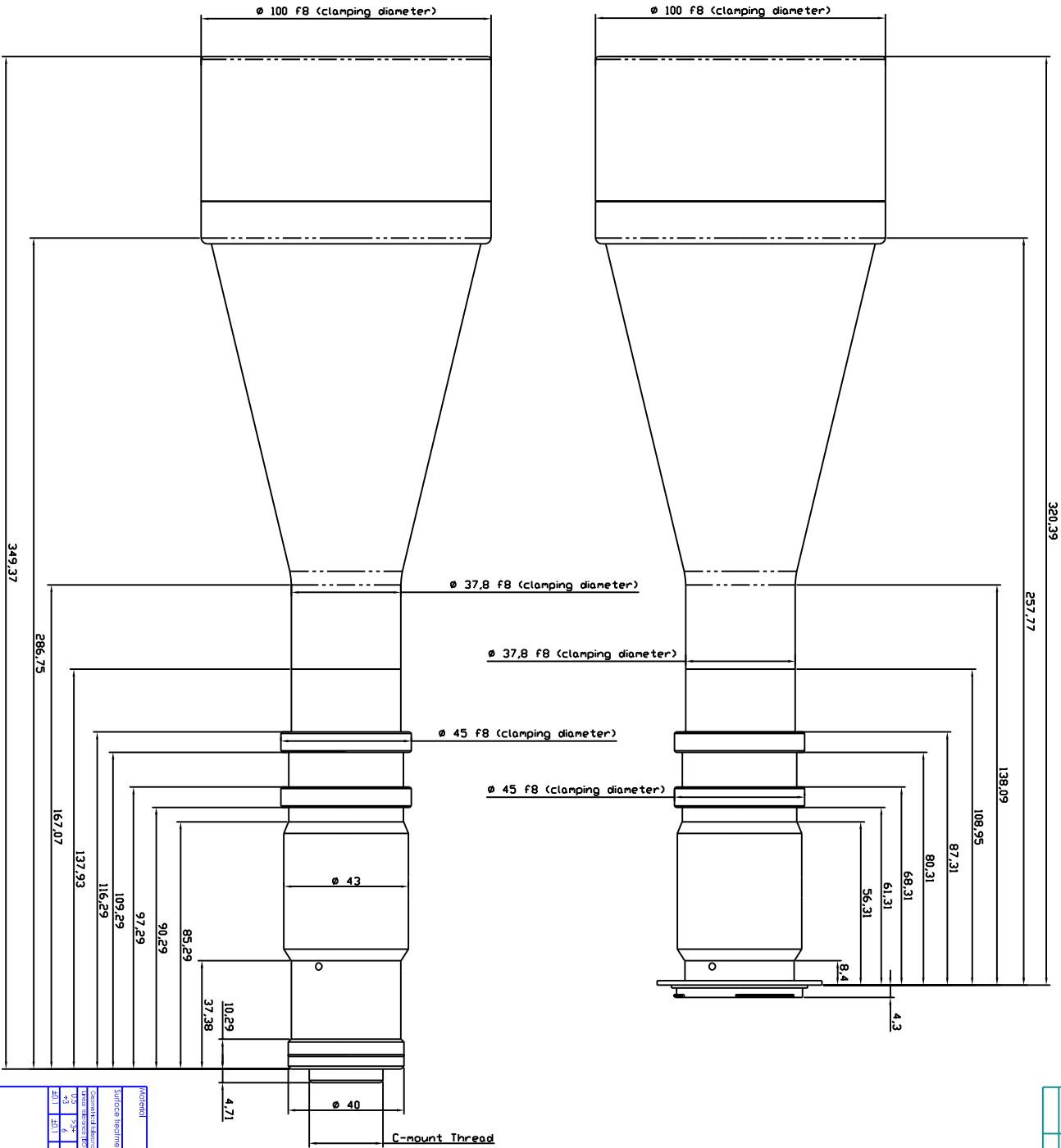


Filters:
filters can be inserted in the rear part
of the lens with the C-mount option.

Rev. No.	Description	Date	Name
A	FIRST LIGHT	20/12/06	A. VISTORIO

TC 4M 64/F (F-mount)

TC 4M 64/C (C-mount)



Material	N.A.	Mass	1.5 KG	Scale	1:1
Surface treatment	N.A.	Project/Technical Department	TELECENTRIC LENS TC 4M 64		
Specification Reference (ISO/ANSI)		Design	20/12/06	Author	A. VISTORIO
UV3	32°	UV2	31/07	UV1	30/07
UV2	30°	UV1	30/07	UV0	30/07
UV1	30/07	UV0	30/07	UV-1	30/07
UV-1	30/07	UV-2	30/07	UV-3	30/07
UV-2	30/07	UV-3	30/07	UV-4	30/07
UV-3	30/07	UV-4	30/07	UV-5	30/07
UV-4	30/07	UV-5	30/07	UV-6	30/07
UV-5	30/07	UV-6	30/07	UV-7	30/07
UV-6	30/07	UV-7	30/07	UV-8	30/07
UV-7	30/07	UV-8	30/07	UV-9	30/07
UV-8	30/07	UV-9	30/07	UV-10	30/07
UV-9	30/07	UV-10	30/07	UV-11	30/07
UV-10	30/07	UV-11	30/07	UV-12	30/07
UV-11	30/07	UV-12	30/07	UV-13	30/07
UV-12	30/07	UV-13	30/07	UV-14	30/07
UV-13	30/07	UV-14	30/07	UV-15	30/07
UV-14	30/07	UV-15	30/07	UV-16	30/07
UV-15	30/07	UV-16	30/07	UV-17	30/07
UV-16	30/07	UV-17	30/07	UV-18	30/07
UV-17	30/07	UV-18	30/07	UV-19	30/07
UV-18	30/07	UV-19	30/07	UV-20	30/07
UV-19	30/07	UV-20	30/07	UV-21	30/07
UV-20	30/07	UV-21	30/07	UV-22	30/07
UV-21	30/07	UV-22	30/07	UV-23	30/07
UV-22	30/07	UV-23	30/07	UV-24	30/07
UV-23	30/07	UV-24	30/07	UV-25	30/07
UV-24	30/07	UV-25	30/07	UV-26	30/07
UV-25	30/07	UV-26	30/07	UV-27	30/07
UV-26	30/07	UV-27	30/07	UV-28	30/07
UV-27	30/07	UV-28	30/07	UV-29	30/07
UV-28	30/07	UV-29	30/07	UV-30	30/07
UV-29	30/07	UV-30	30/07	UV-31	30/07
UV-30	30/07	UV-31	30/07	UV-32	30/07
UV-31	30/07	UV-32	30/07	UV-33	30/07
UV-32	30/07	UV-33	30/07	UV-34	30/07
UV-33	30/07	UV-34	30/07	UV-35	30/07
UV-34	30/07	UV-35	30/07	UV-36	30/07
UV-35	30/07	UV-36	30/07	UV-37	30/07
UV-36	30/07	UV-37	30/07	UV-38	30/07
UV-37	30/07	UV-38	30/07	UV-39	30/07
UV-38	30/07	UV-39	30/07	UV-40	30/07
UV-39	30/07	UV-40	30/07	UV-41	30/07
UV-40	30/07	UV-41	30/07	UV-42	30/07
UV-41	30/07	UV-42	30/07	UV-43	30/07
UV-42	30/07	UV-43	30/07	UV-44	30/07
UV-43	30/07	UV-44	30/07	UV-45	30/07
UV-44	30/07	UV-45	30/07	UV-46	30/07
UV-45	30/07	UV-46	30/07	UV-47	30/07
UV-46	30/07	UV-47	30/07	UV-48	30/07
UV-47	30/07	UV-48	30/07	UV-49	30/07
UV-48	30/07	UV-49	30/07	UV-50	30/07
UV-49	30/07	UV-50	30/07	UV-51	30/07
UV-50	30/07	UV-51	30/07	UV-52	30/07
UV-51	30/07	UV-52	30/07	UV-53	30/07
UV-52	30/07	UV-53	30/07	UV-54	30/07
UV-53	30/07	UV-54	30/07	UV-55	30/07
UV-54	30/07	UV-55	30/07	UV-56	30/07
UV-55	30/07	UV-56	30/07	UV-57	30/07
UV-56	30/07	UV-57	30/07	UV-58	30/07
UV-57	30/07	UV-58	30/07	UV-59	30/07
UV-58	30/07	UV-59	30/07	UV-60	30/07
UV-59	30/07	UV-60	30/07	UV-61	30/07
UV-60	30/07	UV-61	30/07	UV-62	30/07
UV-61	30/07	UV-62	30/07	UV-63	30/07
UV-62	30/07	UV-63	30/07	UV-64	30/07
UV-63	30/07	UV-64	30/07	UV-65	30/07
UV-64	30/07	UV-65	30/07	UV-66	30/07
UV-65	30/07	UV-66	30/07	UV-67	30/07
UV-66	30/07	UV-67	30/07	UV-68	30/07
UV-67	30/07	UV-68	30/07	UV-69	30/07
UV-68	30/07	UV-69	30/07	UV-70	30/07
UV-69	30/07	UV-70	30/07	UV-71	30/07
UV-70	30/07	UV-71	30/07	UV-72	30/07
UV-71	30/07	UV-72	30/07	UV-73	30/07
UV-72	30/07	UV-73	30/07	UV-74	30/07
UV-73	30/07	UV-74	30/07	UV-75	30/07
UV-74	30/07	UV-75	30/07	UV-76	30/07
UV-75	30/07	UV-76	30/07	UV-77	30/07
UV-76	30/07	UV-77	30/07	UV-78	30/07
UV-77	30/07	UV-78	30/07	UV-79	30/07
UV-78	30/07	UV-79	30/07	UV-80	30/07
UV-79	30/07	UV-80	30/07	UV-81	30/07
UV-80	30/07	UV-81	30/07	UV-82	30/07
UV-81	30/07	UV-82	30/07	UV-83	30/07
UV-82	30/07	UV-83	30/07	UV-84	30/07
UV-83	30/07	UV-84	30/07	UV-85	30/07
UV-84	30/07	UV-85	30/07	UV-86	30/07
UV-85	30/07	UV-86	30/07	UV-87	30/07
UV-86	30/07	UV-87	30/07	UV-88	30/07
UV-87	30/07	UV-88	30/07	UV-89	30/07
UV-88	30/07	UV-89	30/07	UV-90	30/07
UV-89	30/07	UV-90	30/07	UV-91	30/07
UV-90	30/07	UV-91	30/07	UV-92	30/07
UV-91	30/07	UV-92	30/07	UV-93	30/07
UV-92	30/07	UV-93	30/07	UV-94	30/07
UV-93	30/07	UV-94	30/07	UV-95	30/07
UV-94	30/07	UV-95	30/07	UV-96	30/07
UV-95	30/07	UV-96	30/07	UV-97	30/07
UV-96	30/07	UV-97	30/07	UV-98	30/07
UV-97	30/07	UV-98	30/07	UV-99	30/07
UV-98	30/07	UV-99	30/07	UV-100	30/07

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Design	20/12/06	Author	A. VISTORIO
Draw	27/12/06	Author	A. VISTORIO
Checked	X	Checked	C. S. B. C. Z. D. I.
Drawing No.	18309-0-A-TC4M64	Sheet	1/1