



**TC 4M 64**

# Bi-Telecentric Lens for Large Detectors up to 1.2" (21.5 mm diagonal)



part number		TC 4M 64 (/C/F)
<b>Magnification</b>		0,275 +/- 3%
<b>Field Of View</b>	(mm)	
with IBIS4-6600		38,2 x 28,1
with KAI2020		43,1 x 32,3
with KAI 2093		51,7 x 29,1
with MI-MV40		59,9 x 44,0
with KAI4011/4021		55,1 x 55,1
<b>Working Distance</b>	(mm)	182,3 +/- 5
<b>Working F-number</b>		16
<b>Telecentricity</b>	(degree)	< 0,1
<b>Distortion</b>	(%)	< 0,1
<b>Field Depth</b>	(mm)	15,0
<b>CTF @50 lp/mm</b>	(%)	> 30
<b>Image side N.A.</b>		0,0310
<b>Object side N.A.</b>		0,0086
<b>Mount</b>		C or F
<b>Length</b>	(mm)	350,5
<b>External diameter</b>	(mm)	100,0
<b>Weight</b>	(g)	1500

**ACCESSORIES AND OPTIONS:**



**Collimated/Telecentric illumination:**  
Compatible with LTCL64 illuminator;  
green lighth suggested.

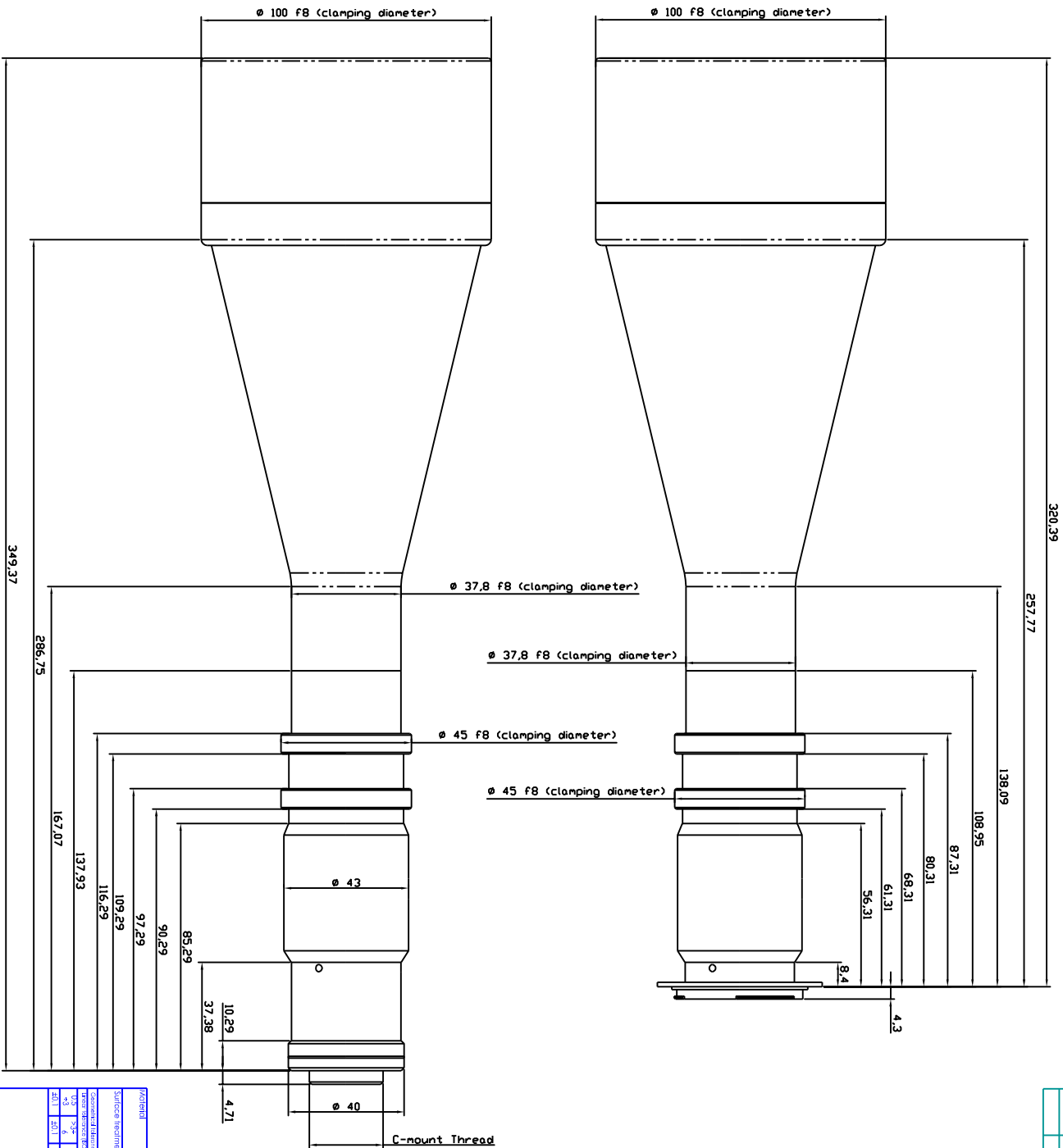


**Clamping Mechanics:**  
Compatible with CMHO64.

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	30°	UV1	20°
UV2	30°	UV1	20°	UV0	10°
UV1	20°	UV0	10°	UV-1	0°
UV0	10°	UV-1	0°	UV-2	-10°
UV-1	0°	UV-2	-10°	UV-3	-20°
UV-2	-10°	UV-3	-20°	UV-4	-30°
UV-3	-20°	UV-4	-30°	UV-5	-40°
UV-4	-30°	UV-5	-40°	UV-6	-50°
UV-5	-40°	UV-6	-50°	UV-7	-60°
UV-6	-50°	UV-7	-60°	UV-8	-70°
UV-7	-60°	UV-8	-70°	UV-9	-80°
UV-8	-70°	UV-9	-80°	UV-10	-90°
UV-9	-80°	UV-10	-90°	UV-11	-100°
UV-10	-90°	UV-11	-100°	UV-12	-110°
UV-11	-100°	UV-12	-110°	UV-13	-120°
UV-12	-110°	UV-13	-120°	UV-14	-130°
UV-13	-120°	UV-14	-130°	UV-15	-140°
UV-14	-130°	UV-15	-140°	UV-16	-150°
UV-15	-140°	UV-16	-150°	UV-17	-160°
UV-16	-150°	UV-17	-160°	UV-18	-170°
UV-17	-160°	UV-18	-170°	UV-19	-180°
UV-18	-170°	UV-19	-180°	UV-20	-190°
UV-19	-180°	UV-20	-190°	UV-21	-200°
UV-20	-190°	UV-21	-200°	UV-22	-210°
UV-21	-200°	UV-22	-210°	UV-23	-220°
UV-22	-210°	UV-23	-220°	UV-24	-230°
UV-23	-220°	UV-24	-230°	UV-25	-240°
UV-24	-230°	UV-25	-240°	UV-26	-250°
UV-25	-240°	UV-26	-250°	UV-27	-260°
UV-26	-250°	UV-27	-260°	UV-28	-270°
UV-27	-260°	UV-28	-270°	UV-29	-280°
UV-28	-270°	UV-29	-280°	UV-30	-290°
UV-29	-280°	UV-30	-290°	UV-31	-300°
UV-30	-290°	UV-31	-300°	UV-32	-310°
UV-31	-300°	UV-32	-310°	UV-33	-320°
UV-32	-310°	UV-33	-320°	UV-34	-330°
UV-33	-320°	UV-34	-330°	UV-35	-340°
UV-34	-330°	UV-35	-340°	UV-36	-350°
UV-35	-340°	UV-36	-350°	UV-37	-360°
UV-36	-350°	UV-37	-360°	UV-38	-370°
UV-37	-360°	UV-38	-370°	UV-39	-380°
UV-38	-370°	UV-39	-380°	UV-40	-390°
UV-39	-380°	UV-40	-390°	UV-41	-400°
UV-40	-390°	UV-41	-400°	UV-42	-410°
UV-41	-400°	UV-42	-410°	UV-43	-420°
UV-42	-410°	UV-43	-420°	UV-44	-430°
UV-43	-420°	UV-44	-430°	UV-45	-440°
UV-44	-430°	UV-45	-440°	UV-46	-450°
UV-45	-440°	UV-46	-450°	UV-47	-460°
UV-46	-450°	UV-47	-460°	UV-48	-470°
UV-47	-460°	UV-48	-470°	UV-49	-480°
UV-48	-470°	UV-49	-480°	UV-50	-490°
UV-49	-480°	UV-50	-490°	UV-51	-500°
UV-50	-490°	UV-51	-500°	UV-52	-510°
UV-51	-500°	UV-52	-510°	UV-53	-520°
UV-52	-510°	UV-53	-520°	UV-54	-530°
UV-53	-520°	UV-54	-530°	UV-55	-540°
UV-54	-530°	UV-55	-540°	UV-56	-550°
UV-55	-540°	UV-56	-550°	UV-57	-560°
UV-56	-550°	UV-57	-560°	UV-58	-570°
UV-57	-560°	UV-58	-570°	UV-59	-580°
UV-58	-570°	UV-59	-580°	UV-60	-590°
UV-59	-580°	UV-60	-590°	UV-61	-600°
UV-60	-590°	UV-61	-600°	UV-62	-610°
UV-61	-600°	UV-62	-610°	UV-63	-620°
UV-62	-610°	UV-63	-620°	UV-64	-630°
UV-63	-620°	UV-64	-630°	UV-65	-640°
UV-64	-630°	UV-65	-640°	UV-66	-650°
UV-65	-640°	UV-66	-650°	UV-67	-660°
UV-66	-650°	UV-67	-660°	UV-68	-670°
UV-67	-660°	UV-68	-670°	UV-69	-680°
UV-68	-670°	UV-69	-680°	UV-70	-690°
UV-69	-680°	UV-70	-690°	UV-71	-700°
UV-70	-690°	UV-71	-700°	UV-72	-710°
UV-71	-700°	UV-72	-710°	UV-73	-720°
UV-72	-710°	UV-73	-720°	UV-74	-730°
UV-73	-720°	UV-74	-730°	UV-75	-740°
UV-74	-730°	UV-75	-740°	UV-76	-750°
UV-75	-740°	UV-76	-750°	UV-77	-760°
UV-76	-750°	UV-77	-760°	UV-78	-770°
UV-77	-760°	UV-78	-770°	UV-79	-780°
UV-78	-770°	UV-79	-780°	UV-80	-790°
UV-79	-780°	UV-80	-790°	UV-81	-800°
UV-80	-790°	UV-81	-800°	UV-82	-810°
UV-81	-800°	UV-82	-810°	UV-83	-820°
UV-82	-810°	UV-83	-820°	UV-84	-830°
UV-83	-820°	UV-84	-830°	UV-85	-840°
UV-84	-830°	UV-85	-840°	UV-86	-850°
UV-85	-840°	UV-86	-850°	UV-87	-860°
UV-86	-850°	UV-87	-860°	UV-88	-870°
UV-87	-860°	UV-88	-870°	UV-89	-880°
UV-88	-870°	UV-89	-880°	UV-90	-890°
UV-89	-880°	UV-90	-890°	UV-91	-900°
UV-90	-890°	UV-91	-900°	UV-92	-910°
UV-91	-900°	UV-92	-910°	UV-93	-920°
UV-92	-910°	UV-93	-920°	UV-94	-930°
UV-93	-920°	UV-94	-930°	UV-95	-940°
UV-94	-930°	UV-95	-940°	UV-96	-950°
UV-95	-940°	UV-96	-950°	UV-97	-960°
UV-96	-950°	UV-97	-960°	UV-98	-970°
UV-97	-960°	UV-98	-970°	UV-99	-980°
UV-98	-970°	UV-99	-980°	UV-100	-990°
UV-99	-980°	UV-100	-990°	UV-101	-1000°
UV-100	-990°	UV-101	-1000°	UV-102	-1010°
UV-101	-1000°	UV-102	-1010°	UV-103	-1020°
UV-102	-1010°	UV-103	-1020°	UV-104	-1030°
UV-103	-1020°	UV-104	-1030°	UV-105	-1040°
UV-104	-1030°	UV-105	-1040°	UV-106	-1050°
UV-105	-1040°	UV-106	-1050°	UV-107	-1060°
UV-106	-1050°	UV-107	-1060°	UV-108	-1070°
UV-107	-1060°	UV-108	-1070°	UV-109	-1080°
UV-108	-1070°	UV-109	-1080°	UV-110	-1090°
UV-109	-1080°	UV-110	-1090°	UV-111	-1100°
UV-110	-1090°	UV-111	-1100°	UV-112	-1110°
UV-111	-1100°	UV-112	-1110°	UV-113	-1120°
UV-112	-1110°	UV-113	-1120°	UV-114	-1130°
UV-113	-1120°	UV-114	-1130°	UV-115	-1140°
UV-114	-1130°	UV-115	-1140°	UV-116	-1150°
UV-115	-1140°	UV-116	-1150°	UV-117	-1160°
UV-116	-1150°	UV-117	-1160°	UV-118	-1170°
UV-117	-1160°	UV-118	-1170°	UV-119	-1180°
UV-118	-1170°	UV-119	-1180°	UV-120	-1190°
UV-119	-1180°	UV-120	-1190°	UV-121	-1200°
UV-120	-1190°	UV-121	-1200°	UV-122	-1210°
UV-121	-1200°	UV-122	-1210°	UV-123	-1220°
UV-122	-1210°	UV-123	-1220°	UV-124	-1230°
UV-123	-1220°	UV-124	-1230°	UV-125	-1240°
UV-124	-1230°	UV-125	-1240°	UV-126	-1250°
UV-125	-1240°	UV-126	-1250°	UV-127	-1260°
UV-126	-1250°	UV-127	-1260°	UV-128	-1270°
UV-127	-1260°	UV-128	-1270°	UV-129	-1280°
UV-128	-1270°	UV-129	-1280°	UV-130	-1290°
UV-129	-1280°	UV-130	-1290°	UV-131	-1300°
UV-130	-1290°	UV-131	-1300°	UV-132	-1310°
UV-131	-1300°	UV-132	-1310°	UV-133	-1320°
UV-132	-1310°	UV-133	-1320°	UV-134	-1330°
UV-133	-1320°	UV-134	-1330°	UV-135	-1340°
UV-134	-1330°	UV-135	-1340°	UV-136	-1350°
UV-135	-1340°	UV-136	-1350°	UV-137	-1360°
UV-136	-1350°	UV-137	-1360°	UV-138	-1370°
UV-137	-1360°	UV-138	-1370°	UV-139	-1380°
UV-138	-1370°	UV-139	-1380°	UV-140	-1390°
UV-139	-1380°	UV-140	-1390°	UV-141	-1400°
UV-140	-1390°	UV-141	-1400°	UV-142	-1410°
UV-141	-1400°	UV-142	-1410°	UV-143	-1420°
UV-142	-1410°	UV-143	-1420°	UV-144	-1430°
UV-143	-1420°	UV-144	-1430°	UV-145	-1440°
UV-144	-1430°	UV-145	-1440°	UV-146	-1450°
UV-145	-1440°	UV-146	-1450°	UV-147	-1460°
UV-146	-1450°	UV-147	-1460°	UV-148	-1470°
UV-147	-1460°	UV-148	-1470°	UV-149	-1480°
UV-148	-1470°	UV-149	-1480°	UV-150	-1490°
UV-149	-1480°	UV-150	-1490°	UV-151	-1500°
UV-150	-1490°	UV-151	-1500°	UV-152	-1510°
UV-151	-1500°	UV-152	-1510°	UV-153	-1520°
UV-152	-1510°	UV-153	-1520°	UV-154	-1530°
UV-153	-1520°	UV-154	-1530°	UV-155	-1540°
UV-154	-1530°	UV-155	-1540°	UV-156	-1550°
UV-155	-1540°	UV-156	-1550°	UV-157	-1560°
UV-156	-1550°	UV-157	-1560°	UV-158	-1570°
UV-157	-1560°	UV-158	-1570°	UV-159	-1580°
UV-158	-1570°	UV-159	-1580°	UV-160	-1590°
UV-159	-1580°	UV-160	-1590°	UV-161	-1600°
UV-160	-1590°	UV-161	-1600°	UV-162	-1610°
UV-161	-1600°	UV-162	-1610°	UV-163	-1620°
UV-162	-1610°	UV-163	-1620°	UV-164	-1630°
UV-163	-1620°	UV-164	-1630°	UV-165	-1640°