



## TC 4M 56

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



part number		TC 4M 56 (C/F)
<b>Magnification</b>		0,314 +/- 3%
<b>Field Of View</b>	(mm)	
with KAI-02020		37,7 x 28,3
with KAI-04050		40,8 x 30,6
with KAI-04022/4021		48,2 x 48,2
with KAI-08050		57,6 x 43,3
<b>Working Distance</b>	(mm)	159,3 +/- 5
<b>Working F-number</b>		16
<b>Telecentricity typical (max)</b>	(degree)	< 0,04 (0,10)
<b>Distortion typical (max)</b>	(%)	< 0,05 (0,10)
<b>Field Depth</b>	(mm)	12,0
<b>CTF @50 lp/mm</b>	(%)	> 30
<b>Image side N.A.</b>		0,0310
<b>Object side N.A.</b>		0,0098
<b>Mount</b>		C or F
<b>Length</b>	(mm)	330,0
<b>External diameter</b>	(mm)	80,0
<b>Weight</b>	(g)	1350

Possible vignetting at the image corners with KAI-08050 detectors

### ACCESSORIES AND OPTIONS:



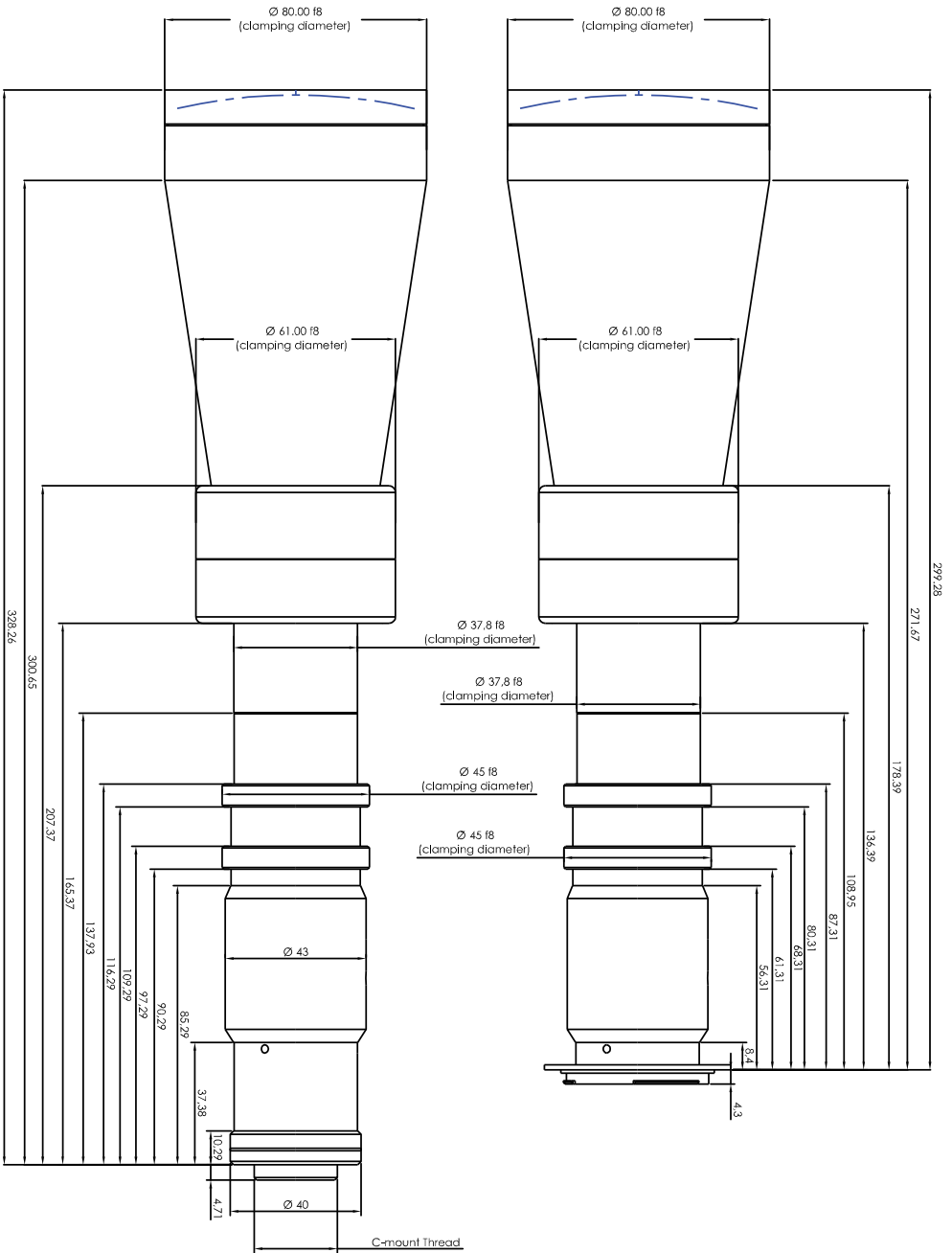
**Collimated/Telecentric illumination:**  
Compatible with LTCL54 illuminator;  
green light suggested.



**Clamping Mechanics:**  
Compatible with CMH056.

Mechanical drawings:  
see next page >>

Rev. No.	Description	Date	Name
A	First Light	10/03/06	A. Virmingo



TC 4M 56/F  
(F-mount)

TC 4M 56/C  
(C-mount)

Material		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
Surface treatment		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.		N.A.	
Drawing No.		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56	
Scale		1:1		1:1		1:1		1:1		1:1		1:1		1:1	
Weight		1.35 KG		1.35 KG		1.35 KG		1.35 KG		1.35 KG		1.35 KG		1.35 KG	
Description		Assembly		Assembly		Assembly		Assembly		Assembly		Assembly		Assembly	
Manufacturer		STEMMER IMAGING		STEMMER IMAGING		STEMMER IMAGING		STEMMER IMAGING		STEMMER IMAGING		STEMMER IMAGING		STEMMER IMAGING	
Drawing No.		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56		18308-0-A-TC4M56	
Revision		1/1		1/1		1/1		1/1		1/1		1/1		1/1	
Date		10/03/06		10/03/06		10/03/06		10/03/06		10/03/06		10/03/06		10/03/06	
Author		A. Virmingo		A. Virmingo		A. Virmingo		A. Virmingo		A. Virmingo		A. Virmingo		A. Virmingo	
Checked		X		X		X		X		X		X		X	
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