

# 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>     | <b>(mm)</b>      |              |
| with IBIS4-6600          |                  | 33,4 x 24,6  |
| with KAI2020             |                  | 37,7 x 28,3  |
| with KAI 2093            |                  | 45,2 x 25,4  |
| with MI-MV40             |                  | 52,4 x 38,5  |
| with KAI4011/4021        |                  | 48,2 x 48,2  |
| <b>Working Distance</b>  | <b>(mm)</b>      | 159,3 +/- 5  |
| <b>Working F-number</b>  |                  | 16           |
| <b>Telecentricity</b>    | <b>(degree)</b>  | < 0,1        |
| <b>Distortion</b>        | <b>(%)</b>       | < 0,1        |
| <b>Field Depth</b>       | <b>(mm)</b>      | 12,0         |
| <b>CTF @50 lp/mm</b>     | <b>(%)</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>            | <b>(mm)</b>      | 330,0        |
| <b>External diameter</b> | <b>(mm)</b>      | 80,0         |
| <b>Weight</b>            | <b>(g)</b>       | 1350         |

## ACCESSORIES AND OPTIONS:



**Collimated/Telecentric illumination:**  
compatible with LTCL56 illuminator;  
green light suggested.



**Coaxial illumination:**  
compatible with LTCX64 illuminator.



**Back Light illumination:**  
Compatible with LTBK36 and LTBK48  
illuminator.



**Clamping Mechanics:**  
compatible with CMH056.



**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.

**MECHANICAL DRAWINGS: see next page >>**