



# TCCR23056

Obiettivo bi-telecentrico CORE per sensori da 2/3", ingrandimento 0,157x, C-mount

## CARATTERISTICHE

Part number (8)		TCCR23056
Ingrandimento	(x)	0.157
Image shape dimension (9)	( $\emptyset$ , x mm)	$\emptyset=11.1$ , x=9.6
Phase adjustment (7)		Yes

### Campo visivo oggetto (6)

Con sensore 1/3" (4.8 x 3.6 mm)	(mm x mm)	30.6 x 22.9
Con sensore 1/2.5" (5.70 x 4.28 mm)	(mm x mm)	36.3 x 27.2
Con sensore 1/2" (6.4 x 4.8 mm)	(mm x mm)	40.7 x 30.6
Con sensore 1/1.8" (7.13 x 5.37 mm)	(mm x mm)	45.4 x 34.2
Con sensore 2/3" - 5 MP (8.45 x 7.07 mm)	(mm x mm)	53.8 x 45.0

### Specifiche ottiche

Distanza di lavoro (1)	(mm)	157.8
wF/# (2)		8
Telecentricità tipica (max) (3)	(deg)	< 0.05 (0.08)
Distorsione tipica (max) (4)	(%)	< 0.03 (0.10)
Profondità di campo (5)	(mm)	27
CTF @ 70 lp/mm	(%)	> 45

### Dimensioni

Mount		C
A	(mm)	94
B	(mm)	110
C	(mm)	145
Massa	(g)	1559

### Compatibilità

LTCLCR056-x, CMHOCR056, CMPTCR056, LTCLHP056-x

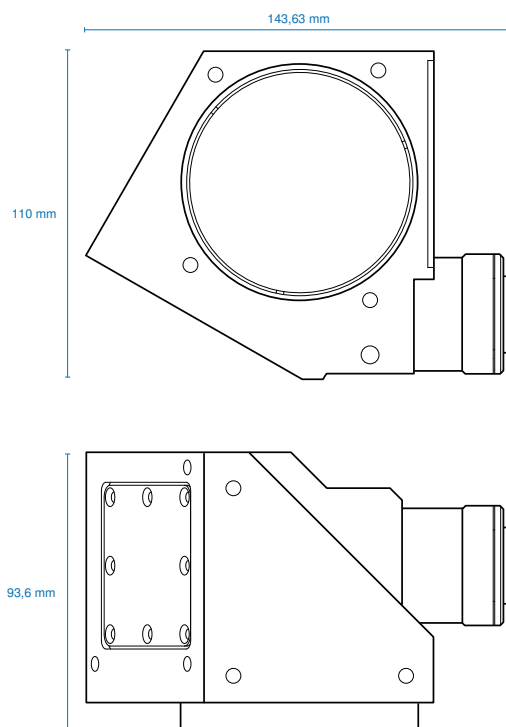
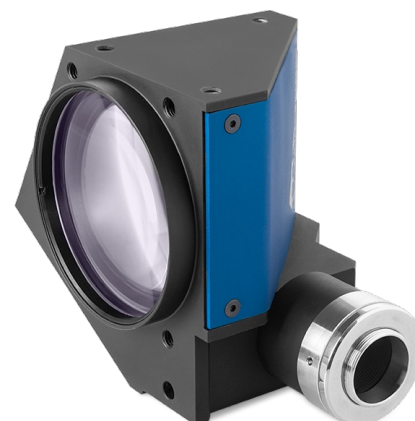
## NOTE

- Working distance: distance between the front end of the mechanics and the object. Set this distance within +/- 3% of the nominal value for maximum resolution and minimum distortion.
- Working F-number (wF/#): the real F-number of a lens when used as a macro. Lenses with smaller apertures can be supplied on request.
- Maximum slope of chief rays inside the lens: when converted to millirad, it gives the maximum measurement error for any millimeter of object displacement. Typical (average production) values and maximum (guaranteed) values are listed.
- Percent deviation of the real image compared to an ideal, undistorted image: typical (average production) values and maximum (guaranteed) values are listed.
- At the borders of the field depth the image can be still used for measurement but, to get a perfectly sharp image, only half of the nominal field depth should be considered. Pixel size used for calculation is 5.5  $\mu$ m.
- In case of vignetting, FOV dimensions are indicated with " $\emptyset$  = , x = ", where " $\emptyset$  =" stands for diameter and "x=" indicates the nominal FOV height and length (see [Tech Info](#) for related drawing).
- Indicates the availability of an integrated camera phase adjustment feature.
- Due to the special shape of TCCR120xx it might be necessary to check the mechanical compatibility with your camera.
- Indicates the dimensions and shape of image, where " $\emptyset$  =" stands for diameter and "x=" indicates the nominal image height and length ([Tech Info](#) for related drawing).

## PRODOTTI COMPATIBILI

 **Serie LTCLHP**  
Illuminatori telecentrici ad alte prestazioni

<b>LTCLHP056-R</b>	Illuminatore telecentrico HP, diametro fascio luminoso 70 mm, rosso
<b>LTCLHP056-G</b>	Illuminatore telecentrico HP, diametro fascio luminoso 70 mm, verde
<b>LTCLHP056-B</b>	Illuminatore telecentrico HP, diametro fascio luminoso 70 mm, blu



**LTCLHP056-W** Illuminatore telecentrico HP, diametro fascio luminoso 70 mm, bianco

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**Serie LTCLHP CORE**

Illuminatori telecentrici ultracompati

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**LTCLCR056-R** Illuminatore telecentrico CORE, diametro del fascio luminoso 70 mm, rosso

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**LTCLCR056-G** Illuminatore telecentrico CORE, diametro del fascio luminoso 70 mm, verde

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**LTCLCR056-W** Illuminatore telecentrico CORE, diametro del fascio luminoso 70 mm, bianco

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**Serie CMHOCR**

Supporti meccanici serie CORE

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**CMHOCR056** Supporti meccanici per obiettivi telecentrici CORE e illuminatori Ø 56mm

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**Serie CMPTCR**

Piastre di montaggio serie CORE

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**CMPTCR056** Componenti meccanici progettati per obiettivi telecentrici CORE e illuminatori Ø 56mm

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