

TCCR1M096-C

Telecentric CORE lens for 1/1.2" detectors, magnification 0.114 x, mount C, WD=278.6

(deg)

(%)

(mm)

(%)

< 0.08 (0.10)

< 0.08 (0.10)

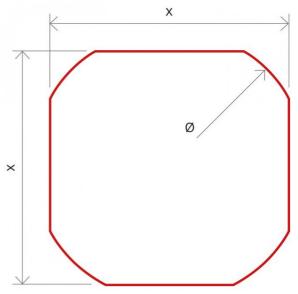
50.8

> 55

SPECIFICATIONS

Part number		TCCR1MHR096-C
Magnification	(×)	0.114
Image shape dimension (8)	(Ø, x mm)	Ø=13.7, x=11.3
Phase adjustment (7)		Yes
Object field of view 7		
with IMX174/IMX249 13.3 mm diag w x h 11.35 x 7.13	(mm x mm)	99.1 x 62.3
with KAI-2020 14.8 mm diagonal w x h 11.84 x 8.88	(mm x mm)	99.1 x 62.3
with IMX253/IMX304 17.6 mm diag w x h 14.16 x 10.37	(mm x mm)	Ø=120, x=91
with KAI-4022/4021 21.5 mm diagonal w x h 15.2 x 15.2	(mm x mm)	Ø=120, x=99
with KAI-08050 22.6 mm diagonal w x h 18.1 x 13.6	(mm x mm)	Ø=120, x=99
Optical specifications		
Working distance (1)	(mm)	278.6
wF/# (2)		8





Mount (6)		С
A	(mm)	139
В	(mm)	172
с	(mm)	198
Mass	(g)	4227

Compatibility

{compatibility}

Last update: 2019-05-10

Telecentricity typical (max) (3)

Distortion typical (max) (4)

Mechanical specifications

Field depth (5)

CTF@ 50 lp/mm

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NOTES

- 1. 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.
- 2. 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 milliradians, it gives the maximum measurement error for any millimeter of object displacement. Typical (average production) values and maximum (guaranteed) values are listed.
- 4. Percent deviation of the real image compared to an ideal, undistorted image: typical (average production) values and maximum (guaranteed) values are listed.
- 5. 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 µm.
- 6. In case the of vignetting, FOV dimensions are indicated with " \emptyset = , x= ", where " \emptyset =" stands for diameter and "x=" indicates the nominal FOV height and length (see <u>Tech Info</u> for related drawing).
- 7. Indicates the availability of an integrated camera phase adjustment feature.
- Indicates the dimensions and shape of image, where "Ø =" stands for diameter and "x=" indicates the nominal image height and length (see <u>Tech Info</u> for related drawing)

COMPATIBLE PRODUCTS

Despite the efforts made to generate an error-free compatibility list, we always recommend to consult the Opto Engineering® **technical support** department before purchasing a compatible product. Opto Engineering® shall not be liable for any damage or malfunctioning caused by the incorrect selection of a compatible product.

Image shape dimensions (\emptyset , x)

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only.



LTCLHP CORE series

Ultra compact telecentric illuminators

CLCR096-R	Telecentric CORE illuminator, beam dimensions Ø = 120; x = 99, red
TCLCR096-G	Telecentric CORE illuminator, beam dimensions $\emptyset = 120$; x = 99, green
TCLCR096-W	Telecentric CORE illuminator, beam dimensions Ø = 120; x = 99, white
СМНС	DCR series
Clamp	ing mechanics CORE series
	mping mechanics for CORE telecentric lenses and illuminators TCCRxx96 and CLCR096-x
	eries
Precis	ion alignment mechanics
CMTHCR096	Precision alignment mechanics for CORE telecentric optics 096
COE-C	series
GenIC	am® PoE cameras
COE-023-M-POE-0	50-IR-C Area Scan camera PYTHON 2000, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 4.8 pix, 2/3", Gray, 51 fps, GigE, POE, C - mount, Glass filter
COE-023-C-POE-05	0-IR-C Area Scan camera PYTHON 2000, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 4.8 pix, 2/3", Color, 51 fps, GigE, POE, C - mount, Infrared cut filter
COE-050-M-POE-0	50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 23.5 fps, GigE, POE, C - mount, Glass filter
COE-050-C-POE-05	0-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 23.5 fps, GigE, POE, C - mount, Infrared cut filter
COE-023-M-POE-0	COLD C Area Scan campra IMV240, CMOS, Clobal shutter, 4000 y 4000, 2,2 MD, 5,00
	50-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter
COE-023-C-POE-06	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter
COE-L	pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter 0-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series .0 GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45
COE-L USB 3	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter J series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter
COE-U USB 3 COE-050-M-USB-0	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter
COE-050-C-USB-05	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 60-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 60-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter
COE-050-M-USB-05 COE-050-C-USB-05 COE-023-M-USB-06 COE-023-C-USB-06	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter J series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter
COE-050-M-USB-00 COE-050-C-USB-00 COE-023-M-USB-00 COE-023-C-USB-00 COE-023-C-USB-00 COE-023-C-USB-00 COE-023-C-USB-00	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 60-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 60-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter
COE-050-M-USB-05 COE-050-C-USB-05 COE-023-M-USB-06 COE-023-C-USB-06 COE-020-020-020-020-020-00 COE-020-020-020-020-020-000-00 COE-020-000-000-000-000-000-000-000-000-00	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Golor, 40 fps, USB 3.0, C - mount, Infrared cut filter
COE-050-M-USB-00 COE-050-C-USB-00 COE-023-M-USB-00 COE-023-C-USB-00 COE-020-00 COE-020-00 COE-020-00 COE-020-00 COE-020-00 COE-020-00 COE-020-	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter J series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter 60-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter 10-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter 10-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter
COE-050-M-USB-00 COE-050-C-USB-00 COE-023-M-USB-00 COE-023-C-USB-00 CUSB3 COE-023-C-USB-00 CUSB3	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter J series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Infrared cut filter 0-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter 0-IR-C Area Scan camera IMX249, CMOS sensors USB3 Vision camera with Sony Pregius CMOS sensor IMX264
COE-050-M-USB-00 COE-050-C-USB-00 COE-023-M-USB-00 COE-023-C-USB-00 COE-023-C-USB-00 COE-023-C-USB-00 COE-023-C-USB-00	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series O GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter O-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Golor, 40 fps, USB 3.0, C - mount, Infrared cut filter terEOX3-2 series vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX250
COE-050-H-USB-05 COE-050-C-USB-05 COE-023-M-USB-06 COE-023-C-USB-06 COE-02	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter Io-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series I series I GenlCam® cameras Go-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter I-Rec Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter I-R-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter I-Rec Area Scan camera IMX264, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter I-R-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter I-R-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter I-R-C Area Scan camera IMX249, CMOS sensor IMX264 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX264 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX264 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX264 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX250 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249
COE-050	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter Io-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series I series I GenlCam® cameras Go-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter I - Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter I - Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter I - Area Scan camera IMX264, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter I - Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter I - Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter I - BEFOX3-2 series Vision camera with Sony Pregius CMOS sensor IMX264 U SB3 Vision camera with Sony Pregius CMOS sensor IMX264 U SB3 Vision camera with Sony Pregius CMOS sensor IMX264 U SB3 Vision camera with Sony Pregius CMOS sensor IMX249 U SB3 Vision camera with Sony Pregius CMOS sensor IMX249 U SB3 Vision camera with Sony Pregius CMOS sensor IMX249 U SB3 Vision camera with Sony Pregius CMOS sensor IMX249 U SB3 Vision camera with Sony Pregius CMOS sensor IMX249
COE-050	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter Io-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series I series GenlCam® cameras GenlCam® cameras Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter I-R-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Glass filter I-R-C Area Scan camera IMX264, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Infrared cut filter I-R-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Infrared cut filter I-R-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter I-R-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter I-R-C Area Scan camera IMX249, CMOS sensors I-SB3 Vision camera with Sony Pregius CMOS sensor IMX264 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX250 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249 I-SB3 Vision camera with Sony Pregius CMOS sensor IMX249
COE-050-M-USB-03 COE-050-C-USB-05 COE-023-M-USB-06 COE-023-C-USB-06 COE-020-00 COE-020-C-USB-06 COE-020-C-USB-06 COE-020-C-US	 pix, 1/1.2", Gray, 41 fps, GigE, POE, C - mount, Glass filter 0-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 41 fps, GigE, POE, C - mount, Infrared cut filter I series .0 GenlCam® cameras 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Gray, 35 fps, USB 3.0, C - mount, Glass filter 0-IR-C Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", Color, 35 fps, USB 3.0, C - mount, Infrared cut filter 50-IR-C Area Scan camera IMX264, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Gray, 41 fps, USB 3.0, C - mount, Glass filter 0-IR-C Area Scan camera IMX249, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 5.86 pix, 1/1.2", Color, 40 fps, USB 3.0, C - mount, Infrared cut filter teFOX3-2 series vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera a with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264 USB3 Vision camera with Sony Pregius CMOS sensor IMX264



TCLIB Suite

Software library & stand-alone tools for the optimization of telecentric setups

TCLIB-01 Software library & stand-alone tools for the optimization of telecentric setups