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OPTO ENGINEERING

TCCAGE12096HP

High power bi-telecentric system for 1/2" detectors

SPECIFICATIONS

Detector type		1/2"
Image size	(mm * mm)	6.4 x 4.8
Max. object diameter	(mm)	16
Max. object height	(mm)	68
Optical specifications		
Wavelength range	(nm)	450 650
CTF @ 70 lp/mm	(%)	> 60
wF/# (1)		8
Mechanical specifications		
Width	(mm)	179
Length	(mm)	347
Height	(mm)	405
Mass	(g)	9111
Mount		С
Phase adjustment (2)		Yes
Electrical specifications (3)		

< 30 (typ.)

< 30 (typ.)

10000

included

300

4000

120

(V)

(mA)

(W)

(V)

(mA)

(W)









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.

Last update: 2020-06-11

NOTES

Cable

Ring light LED voltage

LED current

LED power

Coaxial light LED voltage

LED current

LED power

- 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. F/# = F-number, wF/# = working F-number, the real F-number of a lens when used as a macro.
- 3. Strobe only, constant current driving, Max Ton = 1 ms, max duty cycle 1%.

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.



Accessories

Accessories and add-ons to make the most of Opto Engineering lenses.

CSCAGE096	Sample for alignment of TCCAGExx096
SPMI003	First surface mirror, active area 25x75 mm, mount type 1
SPPS002	Right angle prism, legs 33.3 mm, H 72 mm, mirror coating



GenlCam® PoE cameras

COE-013-M-POE-030-IR-C	Area Scan camera PYTHON 1300, CMOS, Global shutter, 1280 x 1024, 1.3 MP, 4.8 pix, 1/2", Gray, 90 fps, GigE, POE, C - mount, Glass filter
COE-013-C-POE-030-IR-C	Area Scan camera PYTHON 1300, CMOS, Global shutter, 1280 x 1024, 1.3 MP, 4.8 pix, 1/2", Color, 90 fps, GigE, POE, C - mount, Infrared cut filter
COE-032-M-POE-040-IR-C	Area Scan camera IMX265, CMOS, Global shutter, 2048 x 1536, 3.1 MP, 3.45 pix, 1/1.8", Gray, 37.5 fps, GigE, POE, C - mount, Glass filter
COE-032-C-POE-040-IR-C	Area Scan camera IMX265, CMOS, Global shutter, 2048 x 1536, 3.1 MP, 3.45 pix, 1/1.8", Color, 37.5 fps, GigE, POE, C - mount, Infrared cut filter
COE-063-M-POE-040-IR-C-B	Area Scan camera IMX178, CMOS, Rolling shutter, 3072 x 2048, 6.3 MP, 2.4 pix, 1/1.8", Gray, 17 fps, GigE, POE, C - mount, Glass filter
COE-063-C-POE-040-IR-C	Area Scan camera IMX178, CMOS, Rolling shutter, 3072 x 2048, 6.3 MP, 2.4 pix, 1/1.8", Color, 17 fps, GigE, POE, C - mount, Infrared cut filter
COE-122-M-POE-041-IR-C	Area Scan camera IMX226, CMOS, Rolling shutter, 4024 x 3036, 12.2 MP, 1.85 pix, 1/1.7", Gray, 9.6 fps, GigE, POE, C - mount, Glass filter
COE-122-C-POE-041-IR-C	Area Scan camera IMX226, CMOS, Rolling shutter, 4024 x 3036, 12.2 MP, 1.85 pix, 1/1.7", Color, 9.6 fps, GigE, POE, C - mount, Infrared cut filter



USB 3.0 GenlCam® cameras

COE-063-M-USB-040-IR-C	MP, 4.8 pix, 1/2", Color, 90 fps, USB 3.0, C - mount, Infrared cut filter Area Scan camera IMX178, CMOS, Rolling shutter, 3072 x 2048, 6.3 MP, 2.4 pix, 1/1.8", Gray, 42 fps, USB 3.0, C - mount, Glass filter
COE-063-C-USB-040-IR-C	pix, 1/1.8", Gray, 42 fps, USB 3.0, C - mount, Glass filter Area Scan camera IMX178, CMOS, Rolling shutter, 3072 x 2048, 6.3 MP, 2.4 pix, 1/1.8", Color, 42 fps, USB 3.0, C - mount, Infrared cut filter



mvBlueFOX3-2 series

${\it USB3\ vision\ camera\ with\ Sony\ Pregius\ CMOS\ sensors}$

RT-mvBF3-2032a	USB3 Vision camera with Sony Pregius CMOS sensor IMX265
RT-mvBF3-2032	USB3 Vision camera with Sony Pregius CMOS sensor IMX252
RT-mvBF3-2064	USB3 vision camera with Sony Pregius CMOS sensor IMX178



mvBlueCOUGAR series

GigE & Dual GigE Vision cameras

RT-mvBC-X104i	Camera with interface GigE (1GB/s), sensor size 1/1.8", mpixel 3.19, resolution 2064 x 1544, sensor name IMX265, sensor type CMOS
RT-mvBC-XD104h	Camera with interface Dual GigE (2GB/s), sensor size 1/1.8", mpixel 3.19, resolution 2064 x 1544, sensor name IMX252, sensor type CMOS