

# PCBP023

Boroscopic probe for 2/3" detectors

## SPECIFICATIONS

Detector type		2/3"
Image circle Ø	(mm)	7

### Field of view (diameter x height)

Minimum	(mm x mm)	25 x 11
Maximum	(mm x mm)	100 x 55

### Optical specifications

Wavelength range	(nm)	450 .. 650
Viewing angle	(°)	60
CTF @ 50 lp/mm	(%)	> 20
wF/#		18

### Mechanical specifications

Diameter	(mm)	21
Probe length	(mm)	99.0
Total Length	(mm)	113.0
Mass	(g)	80.0
Mount		C

### Electrical specifications

#### Continuous mode (1)

LED voltage	(V)	16 .. 24
Max LED forward current	(mA)	-
LED power	(W)	< 2.0

#### Pulsed mode (2)

LED voltage	(V)	N.A.
Max LED forward current	(mA)	N.A.
LED power	(W)	N.A.

Last update: 2020-08-25

## NOTES

Constant voltage operation.

Constant current operation, 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.



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.



### Accessories

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

**PCBPTIP** Replacement tip for boroscopic probes, PCBP series



### COE-G series

GenICam® PoE cameras

**COE-050-M-POE-050-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

<a href="#">COE-050-C-POE-050-IR-C</a>	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
<a href="#">COE-023-M-POE-060-IR-C</a>	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
<a href="#">COE-023-C-POE-060-IR-C</a>	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-U series

USB 3.0 GenICam® cameras

<a href="#">COE-050-M-USB-050-IR-C</a>	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
<a href="#">COE-023-M-USB-060-IR-C</a>	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
<a href="#">COE-023-C-USB-060-IR-C</a>	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



#### mvBlueCOUGAR series

GigE & Dual GigE Vision cameras

<a href="#">RT-mvBC-X105b</a>	Camera with interface GigE (1GB/s), sensor size 2/3", mpixel 5.07, resolution 2464 x 2056, sensor name IMX264, sensor type CMOS
<a href="#">RT-mvBC-XD105a</a>	Camera with interface Dual GigE (2GB/s), sensor size 2/3", mpixel 5.01, resolution 2448 x 2048, sensor name IMX250, sensor type CMOS