

# RT-H0514-MP2

Megapixel lens, focal length 5 mm, f# 1.4-16C, C-mount

## SPECIFICATIONS

### Optical specifications

Focal length	(mm)	5
Magnification		0.044 - 0
Image circle Ø	(mm)	8
Max detector size		1/2"
Working distance	(mm)	100 - ∞
F/#		1.4 - 16C
Back focal length	(mm)	10.8
Horizontal angle of view 1	(°)	65.5
Max distortion 2	(%)	0.5

### Mechanical specifications

Mount		C
Length	(mm)	45.5
Diameter	(mm)	44.5
Filter thread	(mm)	M43x0.75
Mass	(g)	102
Focus lock screws		Yes
Iris lock screws		Yes

Last update: 2021-06-11

## NOTES

1. Horizontal angle of view while using max detector size.
2. Max distortion while using max detector size.

## 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.



### LTDM series

High power strobed LED domes

LTDMA1-R	Diffusive strobed dome illuminator - small size medium power red
LTDMA1-G	Diffusive strobed dome illuminator - small size medium power green
LTDMA1-W	Diffusive strobed dome illuminator - small size medium power white
LTDMB2-R	Diffusive strobed dome illuminator - medium size high power red
LTDMB2-G	Diffusive strobed dome illuminator - medium size high power green
LTDMB2-W	Diffusive strobed dome illuminator - medium size high power white
LTDMC1-W	Diffusive strobed dome illuminator - large size medium power white
LTDMC2-R	Diffusive strobed dome illuminator - large size high power red
LTDMC2-G	Diffusive strobed dome illuminator - large size high power green
LTDMC2-W	Diffusive strobed dome illuminator - large size high power white



### LTDMLA series

High power strobe dome + low angle illumination systems

LTDMLAB2-WW	Diffusive strobed dome + low angle illumination system - medium size high power white
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LTDMLAC1-WW Diffusive strobed dome + low angle illumination system - large size medium power white

LTDMLAC2-WW Diffusive strobed dome + low angle illumination system - large size high power white



#### COE-G series

GenICam® PoE C-mount 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", mono, 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", mono, 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-050-M-POE-023-IR-C	Area Scan camera MT9P031, CMOS, Rolling shutter, 2592 x 1944, 5 MP, 2.2 pix, 1/2.5", mono, 14 fps, GigE, POE, C - mount, Glass filter
COE-106-M-POE-031-IR-C-2	Area Scan camera MT9J003, CMOS, Rolling shutter, 3840 x 2748, 10.6 MP, 1.67 pix, 1/2.3", mono, 11 fps, GigE, POE, C - mount, Glass filter
COE-106-C-POE-031-IR-C	Area Scan camera MT9J003, CMOS, Global shutter, 3840 x 2748, 10.6 MP, 1.67 pix, 1/2.3", color, 7 fps, GigE, POE, C - mount, Infrared cut filter



#### mvBlueCOUGAR series



GigE / Dual GigE cameras with Smart Features

RT-mvBC-X100f	Camera with interface GigE (1GB/s), sensor size 1/2.9", mpixel 0.4, resolution 728 x 544, sensor name IMX287, sensor type CMOS
RT-mvBC-X102f	Camera with interface GigE (1GB/s), sensor size 1/2.9", mpixel 1.58, resolution 1456 x 1088, sensor name IMX273, sensor type CMOS
RT-mvBC-XD102f	Camera with interface Dual GigE (2GB/s), sensor size 1/2.9", mpixel 1.58, resolution 1456 x 1088, sensor name IMX273, sensor type CMOS
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
RT-mvBC-X105	Camera with interface GigE (1GB/s), sensor size 1/2.5", mpixel 5.04, resolution 2592 x 1944, sensor name MT9P031, sensor type CMOS
RT-mvBC-X1010	Camera with interface GigE (1GB/s), sensor size 1/2.3", mpixel 10.66, resolution 3856 x 2764, sensor name MT9J003, sensor type CMOS



#### COE-U series

GenICam® C-mount USB3 cameras

COE-013-M-USB-030-IR-C	Area Scan camera PYTHON 1300, CMOS, Global shutter, 1280 x 1024, 1.3 MP, 4.8 pix, 1/2", mono, 210 fps, USB 3.0, C - mount, Glass filter
COE-013-C-USB-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, USB 3.0, C - mount, Infrared cut filter
COE-050-C-USB-023-IR-C	Area Scan camera AR0521, CMOS, Rolling shutter, 2592 x 1944, 5 MP, 2.2 pix, 1/2.5", color, 31 fps, USB 3.0, C - mount, Infrared cut filter



#### mvBlueFOX3-2 series

USB3 cameras with Smart Features

RT-mvBF3-2004	USB3 vision camera with Sony Pregius CMOS sensor IMX287
RT-mvBF3-2016	USB3 vision camera with Sony Pregius CMOS sensor IMX273
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