

# RT-M1228-MPW3

6-megapixel lens, focal length 12 mm, f# 2.8, C-mount

## SPECIFICATIONS

### Optical specifications

Focal length	(mm)	12
Magnification		0.181 - 0
Image circle Ø	(mm)	11
Max detector size		2/3"
Working distance	(mm)	100 - ∞
F/#		2.8 - 16
Back focal length	(mm)	9.2
Horizontal angle of view 1	(°)	40.3
Max distortion 2	(%)	-0.1

### Mechanical specifications

Mount		C
Length	(mm)	43.5
Diameter	(mm)	29.0
Filter thread	(mm)	M27x0.5
Mass	(g)	60
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

<a href="#">LTDMA1-R</a>	Diffusive strobed dome illuminator - small size medium power red
<a href="#">LTDMA1-G</a>	Diffusive strobed dome illuminator - small size medium power green
<a href="#">LTDMA1-W</a>	Diffusive strobed dome illuminator - small size medium power white
<a href="#">LTDMB2-R</a>	Diffusive strobed dome illuminator - medium size high power red
<a href="#">LTDMB2-G</a>	Diffusive strobed dome illuminator - medium size high power green
<a href="#">LTDMB2-W</a>	Diffusive strobed dome illuminator - medium size high power white
<a href="#">LTDMC1-W</a>	Diffusive strobed dome illuminator - large size medium power white
<a href="#">LTDMC2-R</a>	Diffusive strobed dome illuminator - large size high power red
<a href="#">LTDMC2-G</a>	Diffusive strobed dome illuminator - large size high power green
<a href="#">LTDMC2-W</a>	Diffusive strobed dome illuminator - large size high power white



LTDMLA series

High power strobe dome + low angle illumination systems

<a href="#">LTDMLAB2-WW</a>	Diffusive strobed dome + low angle illumination system - medium size high power white
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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.

[LTDMLAC1-WW](#) Diffusive strobed dome + low angle illumination system - large size medium power white

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[LTDMLAC2-WW](#) Diffusive strobed dome + low angle illumination system - large size high power white

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COE-G series

GenICam® PoE C-mount cameras

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[COE-023-M-POE-050-IR-C](#) Area Scan camera PYTHON 2000, CMOS, Global shutter, 1920 x 1200, 2.3 MP, 4.8 pix, 2/3", mono, 51 fps, GigE, POE, C - mount, Glass filter

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[COE-023-C-POE-050-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

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[COE-050-M-POE-050-IR-C](#) Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", mono, 23.5 fps, GigE, POE, C - mount, Glass filter

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[COE-050-C-POE-050-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

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mvBlueCOUGAR series

GigE / Dual GigE cameras with Smart Features

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[RT-mvBC-X105b](#) Camera with interface GigE (1GB/s), sensor size 2/3", mpixel 5.07, resolution 2464 x 2056, sensor name IMX264, sensor type CMOS

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[RT-mvBC-XD105a](#) Camera with interface Dual GigE (2GB/s), sensor size 2/3", mpixel 5.01, resolution 2448 x 2048, sensor name IMX250, sensor type CMOS

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COE-U series

GenICam® C-mount USB3 cameras

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[COE-050-M-USB-050-IR-C](#) Area Scan camera IMX264, CMOS, Global shutter, 2448 x 2048, 5 MP, 3.45 pix, 2/3", mono, 35 fps, USB 3.0, C - mount, Glass filter

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[COE-050-C-USB-050-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

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mvBlueFOX3-2 series

USB3 cameras with Smart Features

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[RT-mvBF3-2051a](#) USB3 Vision camera with Sony Pregius CMOS sensor IMX264

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[RT-mvBF3-2051](#) USB3 Vision camera with Sony Pregius CMOS sensor IMX250

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