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TELECENTRIC
L E N S
S E R I E S
FOR
M A C H I N E
V I S I O N


CBC GROUP

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WD-165mm

TEC-V0345165MPY-WI

1.1inch
12MEGAPIXEL
0.345x **NEW**

**SUPER HIGH RESOLUTION
 TELECENTRIC LENS**



► Compatible with 12MP(3.45μm) sensor on 1.1" cameras

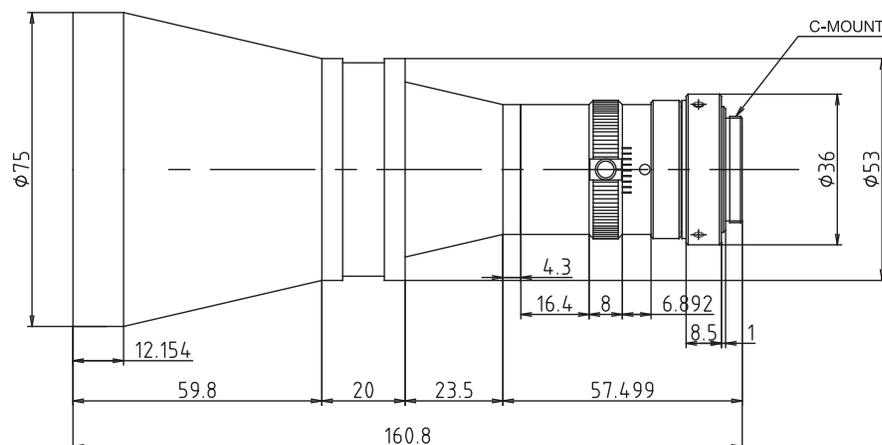
► Variable F stop (F5.0~F32.4)

| | |
|--------------------|--------------------|
| Model | TEC-V0345165MPY-WI |
| Format | 1.1" φ17.6mm |
| Magnification | 0.345X |
| Working Distance | 165.2mm |
| Resolving Power *1 | 9.7μm |
| Depth of Field *2 | 6.63mm |
| NA | 0.035 |
| Effective F number | 5 |
| TV Distortion | -0.024 |

| | | |
|---------------|-------------|-------------|
| Field of View | 1.1inch | 41.1x30.1mm |
| | 1inch | 38.3x25.2mm |
| | 2/3inch | 25.5x19.1mm |
| | 1/1.8inch | 20.9x15.4mm |
| | 1/2inch | 18.6x13.9mm |
| Mount | C-mount | |
| Filter Size | M72xP0.75mm | |
| Weight | 380g | |

* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40μm

TEC-V0345165MPY-WI



TEC M-SERIES

- ▶ Compatible with 2MP sensors on 2/3" cameras
- ▶ A wide variety of magnification options available
(65mm WD - 0.5x, 0.8x, 1.0x, 2.0x, 4.0x, 6.0x, 110mm WD - 0.3x, 0.5x, 0.8x, 1.0x, 1.5x, 2.0x, 3.0x, 4.0x, 6.0x)
which include coaxial models
- ▶ Low TV distortion correction to the furthest corner (0.01 ~ 0.03s%)

WD-65mm

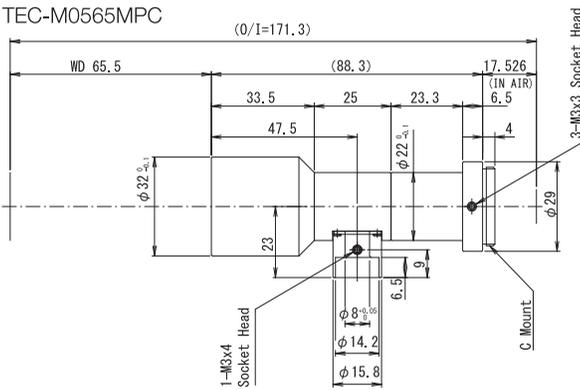
TEC-M0565MPC / TEC-M0565MP



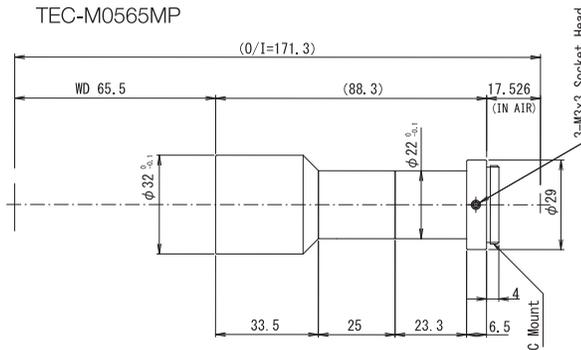
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M0565MPC |
| Model (straight type) | TEC-M0565MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 0.5x |
| Working Distance | 65.5mm |
| Resolving Power *1 | 12 μ m |
| Depth of Field *2 | 2.87mm |
| NA | 0.028 |
| Effective F number | 9 |
| TV Distortion | -0.012% |

| | | |
|----------------------------|-----------|-----------------|
| Field of View | 2/3inch | 17.6 x 13.2mm |
| | 1/1.8inch | 14.35 x 10.64mm |
| | 1/2inch | 12.8 x 9.6mm |
| | 1/3inch | 9.6 x 7.2mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 80g | |
| Weight (straight type) | 77g | |

TEC-M0565MPC



TEC-M0565MP



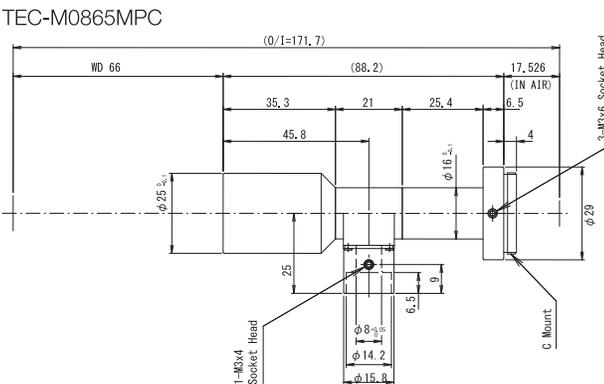
TEC-M0865MPC / TEC-M0865MP



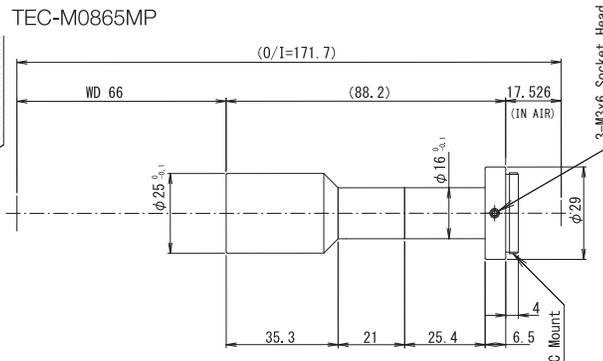
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M0865MPC |
| Model (straight type) | TEC-M0865MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 0.8x |
| Working Distance | 66mm |
| Resolving Power *1 | 8 μ m |
| Depth of Field *2 | 1.18mm |
| NA | 0.042 |
| Effective F number | 9.4 |
| TV Distortion | 0.008% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 11 x 8.25mm |
| | 1/1.8inch | 8.97 x 6.65mm |
| | 1/2inch | 8 x 6mm |
| | 1/3inch | 6 x 4.5mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 62g | |
| Weight (straight type) | 57g | |

TEC-M0865MPC



TEC-M0865MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
* 2 : Value calculated with a permissible circle of confusion of 40 μ m

WD-65mm

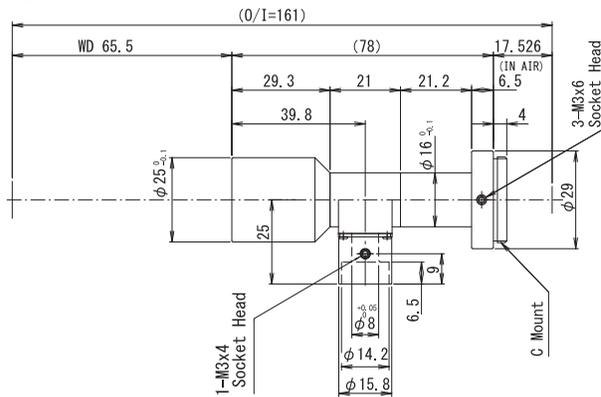
TEC-M1065MPC / TEC-M1065MP



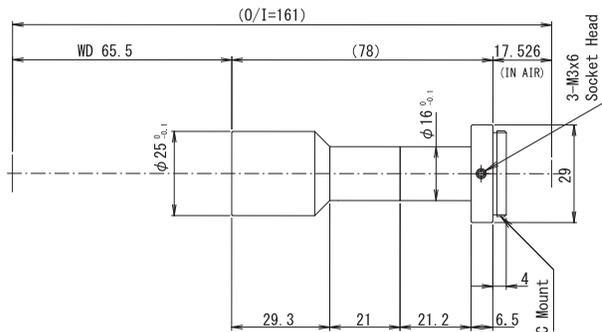
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M1065MPC |
| Model (straight type) | TEC-M1065MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 1x |
| Working Distance | 65.5mm |
| Resolving Power *1 | 6.7 μ m |
| Depth of Field *2 | 0.79mm |
| NA | 0.05 |
| Effective F number | 9.8 |
| TV Distortion | -0.022% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 8.8 x 6.6mm |
| | 1/1.8inch | 7.18 x 5.32mm |
| | 1/2inch | 6.4 x 4.8mm |
| | 1/3inch | 4.8 x 3.6mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 54g | |
| Weight (straight type) | 49g | |

TEC-M1065MPC



TEC-M1065MP



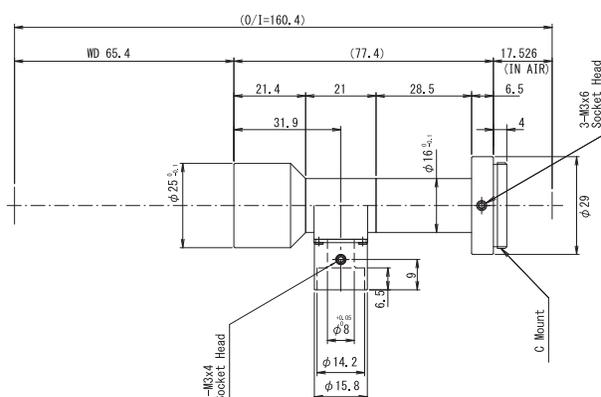
TEC-M2065MPC / TEC-M2065MP



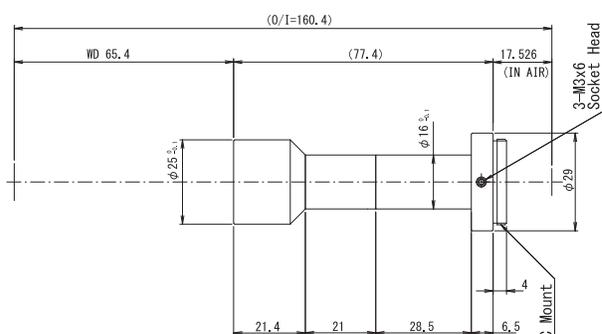
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M2065MPC |
| Model (straight type) | TEC-M2065MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 2x |
| Working Distance | 65.4mm |
| Resolving Power *1 | 4.4 μ m |
| Depth of Field *2 | 0.26mm |
| NA | 0.076 |
| Effective F number | 12.8 |
| TV Distortion | 0.020% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 4.4 x 3.3mm |
| | 1/1.8inch | 3.59 x 2.66mm |
| | 1/2inch | 3.2 x 2.4mm |
| | 1/3inch | 2.4 x 1.8mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 55g | |
| Weight (straight type) | 49g | |

TEC-M2065MPC



TEC-M2065MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40 μ m

TEC M-SERIES

WD-65mm

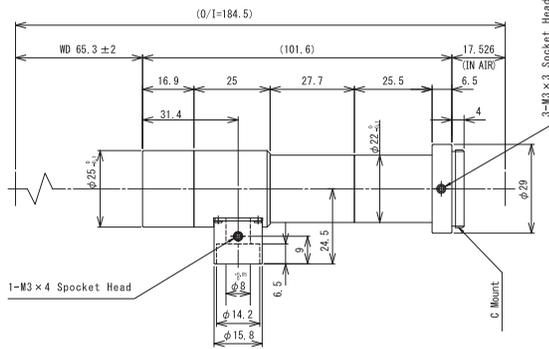
TEC-M4065MPC / TEC-M4065MP **NEW**



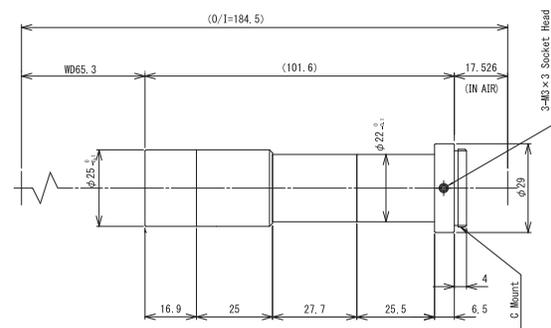
| | |
|---------------------------|--------------------|
| Model (with coaxial type) | TEC-M4065MPC |
| Model (straight type) | TEC-M4065MP |
| Format | 2/3" ϕ 12.8mm |
| Magnification | 4.0x |
| Working Distance | 65.3mm |
| Resolving Power *1 | 2.9 μ m |
| Depth of Field *2 | 0.08mm |
| NA | 0.118 |
| Effective F number | 16.9 |
| TV Distortion | -0.003% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 2.2 x 1.65mm |
| | 1/1.8inch | 1.79 x 1.33mm |
| | 1/2inch | 1.6 x 1.2mm |
| | 1/3inch | 1.2 x 0.9mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 85g | |
| Weight (straight type) | 83g | |

TEC-M4065MPC



TEC-M4065MP



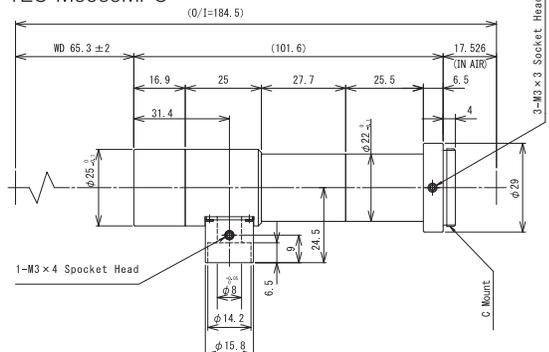
TEC-M6065MPC / TEC-M6065MP **NEW**



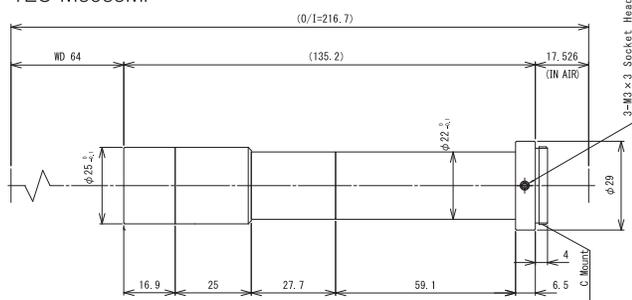
| | |
|---------------------------|--------------------|
| Model (with coaxial type) | TEC-M6065MPC |
| Model (straight type) | TEC-M6065MP |
| Format | 2/3" ϕ 12.8mm |
| Magnification | 6.0x |
| Working Distance | 64.0mm |
| Resolving Power *1 | 2.9 μ m |
| Depth of Field *2 | 0.06mm |
| NA | 0.118 |
| Effective F number | 25.5 |
| TV Distortion | -0.026% |

| | | |
|----------------------------|-----------|--------------|
| Field of View | 2/3inch | 1.47 x 1.1mm |
| | 1/1.8inch | 1.2 x 0.89mm |
| | 1/2inch | 1.07 x 0.8mm |
| | 1/3inch | 0.8 x 0.6mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 100g | |
| Weight (straight type) | 98g | |

TEC-M6065MPC



TEC-M6065MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40 μ m

WD-110mm

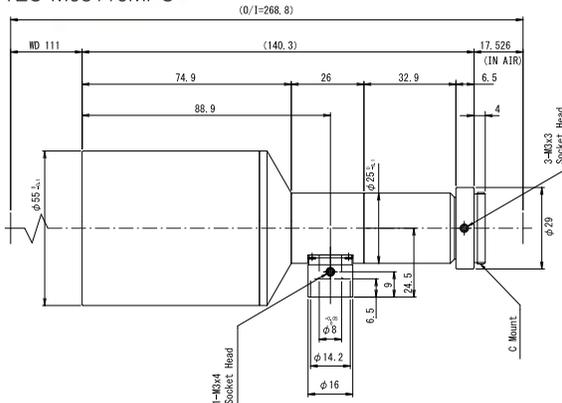
TEC-M03110MPC / TEC-M03110MP



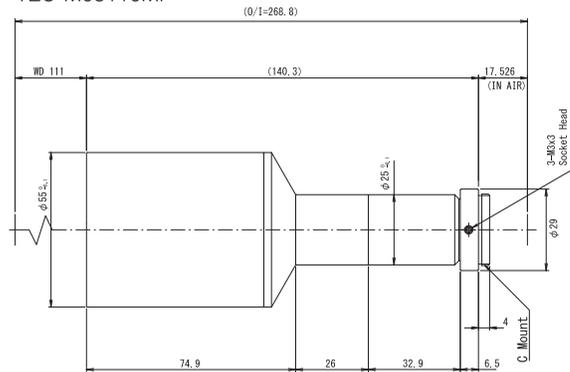
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M03110MPC |
| Model (straight type) | TEC-M03110MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 0.3x |
| Working Distance | 111mm |
| Resolving Power *1 | 14.5 μ m |
| Depth of Field *2 | 5.75mm |
| NA | 0.023 |
| Effective F number | 6.5 |
| TV Distortion | 0.026% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 29.3 x 22mm |
| | 1/1.8inch | 23.9 x 17.7mm |
| | 1/2inch | 21.3 x 16mm |
| | 1/3inch | 16 x 12mm |
| Mount | | C-mount |
| Weight (with coaxial type) | | 166g |
| Weight (straight type) | | 160g |

TEC-M03110MPC



TEC-M03110MP



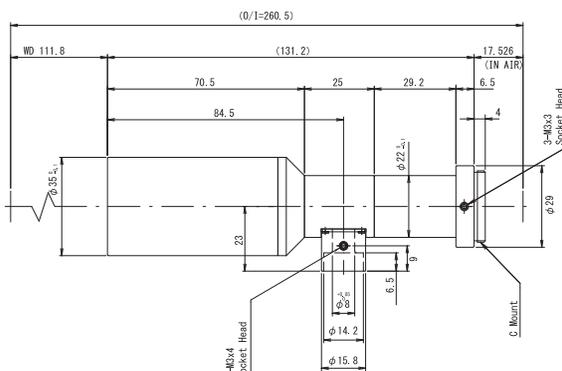
TEC-M05110MPC / TEC-M05110MP



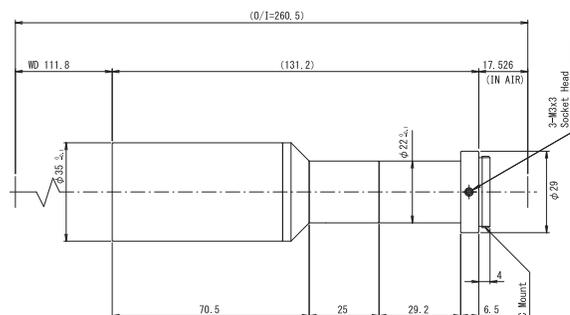
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M05110MPC |
| Model (straight type) | TEC-M05110MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 0.5x |
| Working Distance | 111.8mm |
| Resolving Power *1 | 12.7 μ m |
| Depth of Field *2 | 3.03mm |
| NA | 0.026 |
| Effective F number | 9.4 |
| TV Distortion | -0.009% |

| | | |
|----------------------------|-----------|-----------------|
| Field of View | 2/3inch | 17.6 x 13.2mm |
| | 1/1.8inch | 14.35 x 10.64mm |
| | 1/2inch | 12.8 x 9.6mm |
| | 1/3inch | 9.6 x 7.2mm |
| Mount | | C-mount |
| Weight (with coaxial type) | | 131g |
| Weight (straight type) | | 128g |

TEC-M05110MPC



TEC-M05110MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40 μ m

TEC M-SERIES

WD-110mm

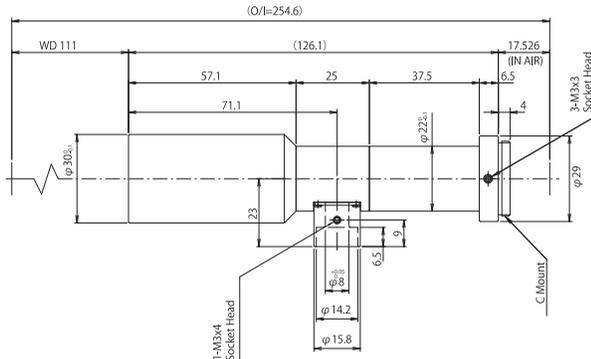
TEC-M08110MPC / TEC-M08110MP



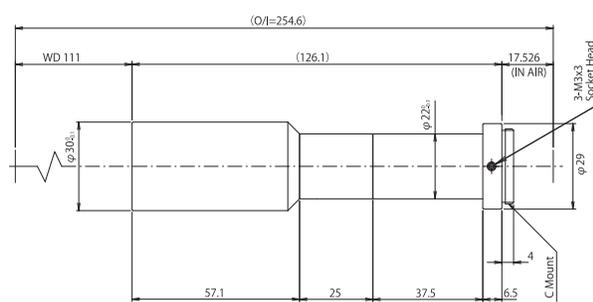
| | |
|---------------------------|---------------|
| Model (with coaxial type) | TEC-M08110MPC |
| Model (straight type) | TEC-M08110MP |
| Format | 2/3"φ11mm |
| Magnification | 0.8x |
| Working Distance | 111mm |
| Resolving Power *1 | 8.8μm |
| Depth of Field *2 | 1.31mm |
| NA | 0.038 |
| Effective F number | 10.2 |
| TV Distortion | -0.027% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 11 x 8.25mm |
| | 1/1.8inch | 8.97 x 6.65mm |
| | 1/2inch | 8 x 6mm |
| | 1/3inch | 6 x 4.5mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 106g | |
| Weight (straight type) | 103g | |

TEC-M08110MPC



TEC-M08110MP



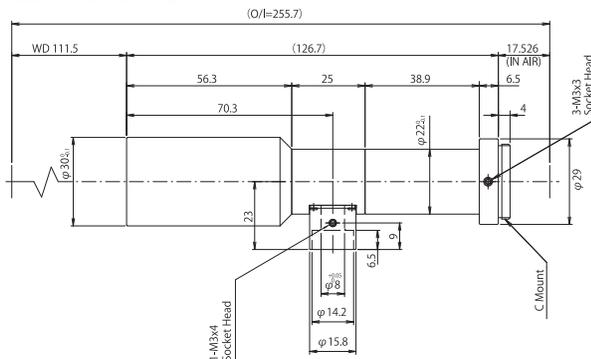
TEC-M10110MPC / TEC-M10110MP



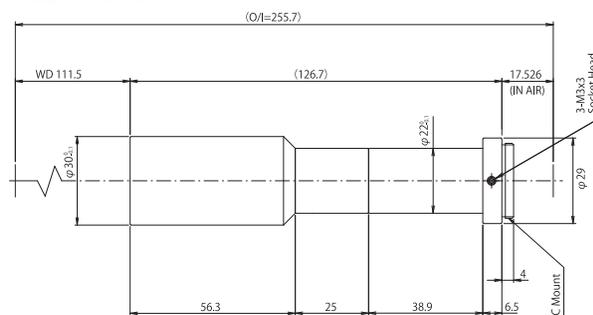
| | |
|---------------------------|---------------|
| Model (with coaxial type) | TEC-M10110MPC |
| Model (straight type) | TEC-M10110MP |
| Format | 2/3"φ11mm |
| Magnification | 1x |
| Working Distance | 111.5mm |
| Resolving Power *1 | 6.9μm |
| Depth of Field *2 | 0.82mm |
| NA | 0.049 |
| Effective F number | 10.1 |
| TV Distortion | -0.003% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 8.8 x 6.6mm |
| | 1/1.8inch | 7.18 x 5.32mm |
| | 1/2inch | 6.4 x 4.8mm |
| | 1/3inch | 4.8 x 3.6mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 108g | |
| Weight (straight type) | 105g | |

TEC-M10110MPC



TEC-M10110MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40μm

WD-110mm

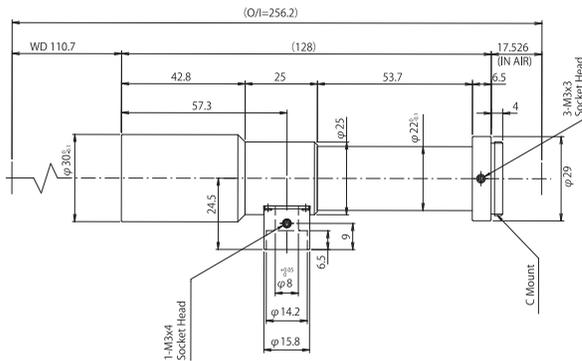
TEC-M15110MPC / TEC-M15110MP



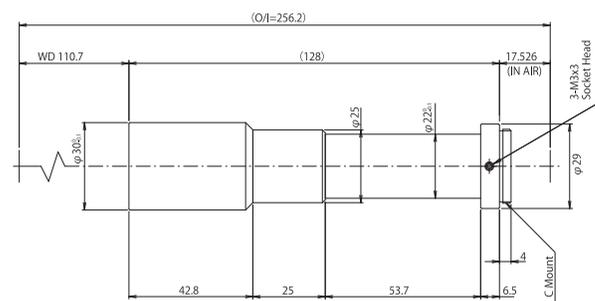
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M15110MPC |
| Model (straight type) | TEC-M15110MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 1.5x |
| Working Distance | 110.7mm |
| Resolving Power *1 | 5.2 μ m |
| Depth of Field *2 | 0.42mm |
| NA | 0.064 |
| Effective F number | 11.5 |
| TV Distortion | 0.031% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 5.87 x 4.4mm |
| | 1/1.8inch | 4.79 x 3.55mm |
| | 1/2inch | 4.27 x 3.2mm |
| | 1/3inch | 3.2 x 2.4mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 110g | |
| Weight (straight type) | 108g | |

TEC-M15110MPC



TEC-M15110MP



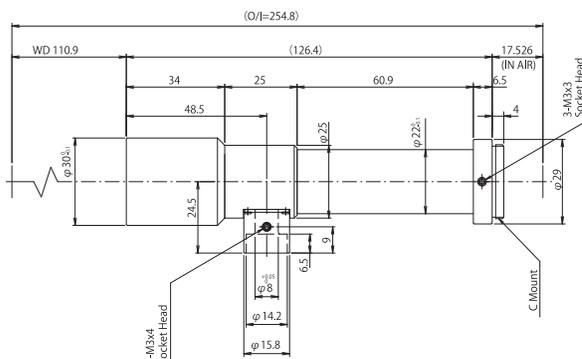
TEC-M20110MPC / TEC-M20110MP



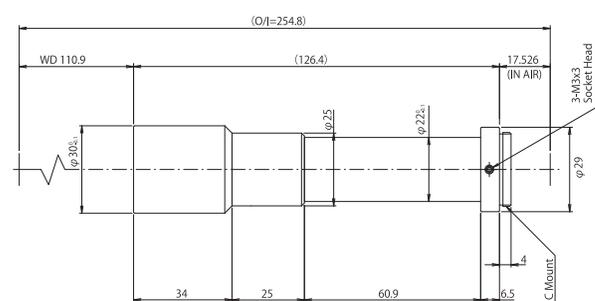
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M20110MPC |
| Model (straight type) | TEC-M20110MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 2x |
| Working Distance | 110.9mm |
| Resolving Power *1 | 4.5 μ m |
| Depth of Field *2 | 0.27mm |
| NA | 0.075 |
| Effective F number | 13 |
| TV Distortion | -0.019% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 4.4 x 3.3mm |
| | 1/1.8inch | 3.59 x 2.66mm |
| | 1/2inch | 3.2 x 2.4mm |
| | 1/3inch | 2.4 x 1.8mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 115g | |
| Weight (straight type) | 113g | |

TEC-M20110MPC



TEC-M20110MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40 μ m

TEC M-SERIES

WD-110mm

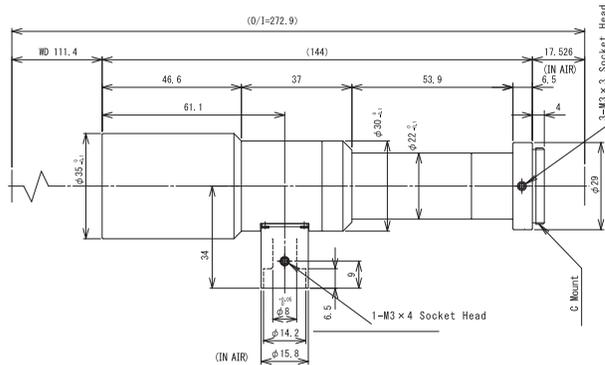
TEC-M30110MPC / TEC-M30110MP **NEW**



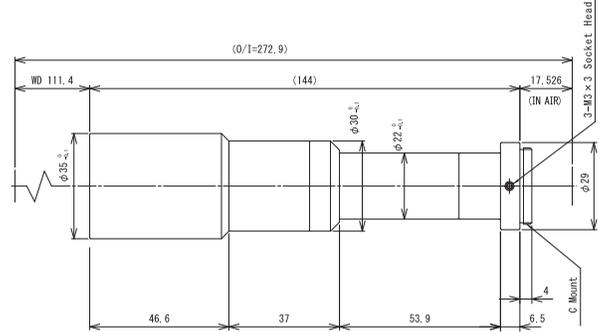
| | |
|---------------------------|--------------------|
| Model (with coaxial type) | TEC-M30110MPC |
| Model (straight type) | TEC-M30110MP |
| Format | 2/3" ϕ 12,8mm |
| Magnification | 3.0x |
| Working Distance | 111,4mm |
| Resolving Power *1 | 3,6 μ m |
| Depth of Field *2 | 0,14mm |
| NA | 0,094 |
| Effective F number | 16 |
| TV Distortion | -0,012% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 2,93 x 2,2mm |
| | 1/1,8inch | 2,39 x 1,77mm |
| | 1/2inch | 2,13 x 1,6mm |
| | 1/3inch | 1,6 x 1,2mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 166g | |
| Weight (straight type) | 160g | |

TEC-M30110MPC



TEC-M30110MP



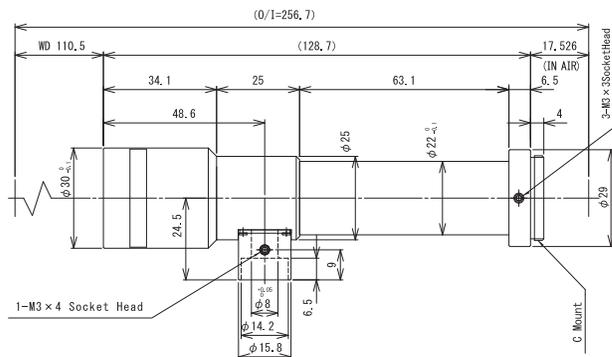
TEC-M40110MPC / TEC-M40110MP **NEW**



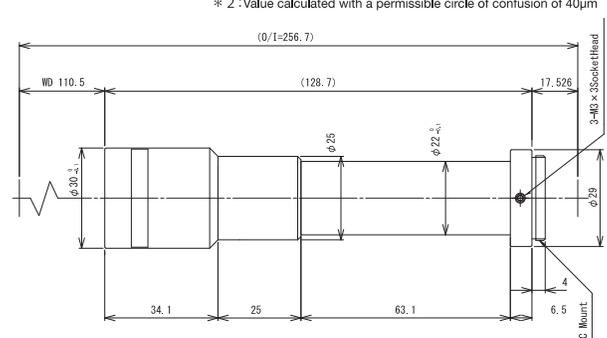
| | |
|---------------------------|------------------|
| Model (with coaxial type) | TEC-M40110MPC |
| Model (straight type) | TEC-M40110MP |
| Format | 2/3" ϕ 11mm |
| Magnification | 4,0x |
| Working Distance | 110,5mm |
| Resolving Power *1 | 3,7 μ m |
| Depth of Field *2 | 0,11mm |
| NA | 0,091 |
| Effective F number | 21,9 |
| TV Distortion | -0,004% |

| | | |
|----------------------------|-----------|---------------|
| Field of View | 2/3inch | 2,2 x 1,65mm |
| | 1/1,8inch | 1,79 x 1,33mm |
| | 1/2inch | 1,6 x 1,2mm |
| | 1/3inch | 1,2 x 0,9mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 121g | |
| Weight (straight type) | 120g | |

TEC-M40110MPC



TEC-M40110MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
* 2 : Value calculated with a permissible circle of confusion of 40 μ m

WD-110mm

TEC-M60110MPC / TEC-M60110MP **NEW**

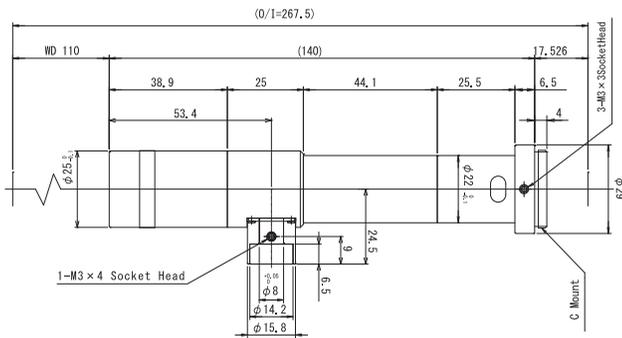


| | |
|---------------------------|--------------------|
| Model (with coaxial type) | TEC-M60110MPC |
| Model (straight type) | TEC-M60110MP |
| Format | 2/3" ϕ 12,8mm |
| Magnification | 6.0x |
| Working Distance | 110mm |
| Resolving Power *1 | 4.4 μ m |
| Depth of Field *2 | 0.09mm |
| NA | 0.076 |
| Effective F number | 39.6 |
| TV Distortion | -0.015% |

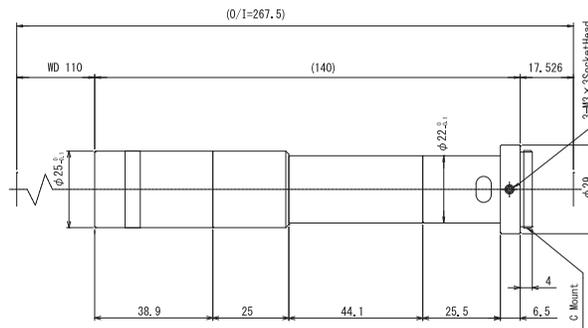
| | | |
|----------------------------|-----------|-------------|
| Field of View | 2/3inch | 1.5 x 1.1mm |
| | 1/1.8inch | 1.2 x 0.9mm |
| | 1/2inch | 1.1 x 0.8mm |
| | 1/3inch | 0.8 x 0.6mm |
| Mount | C-mount | |
| Weight (with coaxial type) | 103g | |
| Weight (straight type) | 101g | |

* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40 μ m

TEC-M60110MPC



TEC-M60110MP



America

CBC AMERICA LLC North Carolina

2000 Regency parkway, Suite 600
Cary, NC, 27518, U.S.A.
TEL : +1 919 230 8700
FAX : +1 919 230 2268
<http://www.computar.com>
computar@cbcamerica.com

CBC AMERICA LLC Los Angeles Division

21241 South Western Avenue, Suite #160
Torrance, CA 90501, U.S.A.
Tel : +1 310 222 8600
Fax : +1 310 787 0464
<http://www.computar.com>
computar@cbcamerica.com

Europe

CBC (EUROPE) GmbH Düsseldorf

Hansaallee 191
D-40549 Düsseldorf, GERMANY
Tel : +49 (0)211 53067 0
Fax : +49 (0)211 53067 180
<http://www.cbc-europe.com>
info@cbc-europe.com

CBC (EUROPE) GmbH UK Branch London

Unit 9, Garrick Industrial Estate,
Irving Way, London NW9 6AQ, U.K.
Tel : +44 (0)20 8732 3300
Fax : +44 (0)20 8202 3387
<http://www.cbceurope.com>
info@cbcuk.com

CBC (EUROPE) Srl Milan

Via E. Majorana, 2
20834-Nova Milanese(MB), ITALY
Tel : +39 0362 365079
Fax : +39 0362 40012
<http://www.computar.it>
<http://computarganz.it>
sales@cbceurope.it

CBC (Poland) Sp.z o.o. Warszawa

Ul. Anny German 15
01-794 Warszawa
Tel : +48 22 633 90 90
Fax : +48 22 633 90 60
<http://www.cbcpoland.pl>
info@cbcpoland.pl

CBC Co., Ltd. MOSCOW REP OFFICE Moscow

Office 503B, Entrance#3, Building 1,
World Trade Center, 12 Krasnopresnenskaya nab.,
Moscow, 123610, RUSSIA
Tel : +7 495 258 2161
Fax : +7 495 258 2160
<http://www.cbc.ru>
support@cbc.ru

China

CBC(Beijing) Trading CO.,LTD. Beijing

Room B905-A, Tian Yuan Gang Center,
No.C2 Dong San Huan Bei-Lu,
Chaoyang District,
Beijing, CHINA
Tel : +86 10 6410 8081 Fax : +86 10 6410 8085
<http://www.cbc-china.cn/10/>

CBC (SHANGHAI) Trading CO., Ltd. Shanghai

Room 1801, G1FC, No.1438 HongQiao Road,
Changning District, Shanghai, CHINA
Tel : +86 21 3209 2626
Fax : +86 21 3209 2814
<http://www.cbc-china.cn/>
support@cbcs.com.cn

CBC (GUANGZHOU) Trading CO., Ltd. Guangzhou

Room 1207, CITIC Praza, No.233 Tian He North
Road, Guangzhou City, Guangdong Province,
CHINA
Tel : +86 20 8752 0039
Fax : +86 20 8752 0131
<http://www.cbc-china.cn/>

CBC (H.K.) CO., LTD. Hong Kong

Unit 901, 9/F, Tower5,
China Hong Kong City, 33 Canton Road,
Tsim Sha Tsui, Kowloon, Hong Kong, CHINA
Tel : +852 2345 8686
Fax : +852 2887 2457
<http://www.cbc-china.cn/>

Asia

CBC. S PTE LTD. Singapore

2 Leng Kee Road, #03-04
Thye Hong Centre, SINGAPORE 159086
Tel : +65 6275 1221
Fax : +65 6475 0633
<http://www.cbcsingapore.com/>
enquiries@cbcs.com.sg

CBC (Thailand) Co.,Ltd. Bangkok

23rd Floor, ITF Tower 2, 140/53-55
Silom Road, Suriyawongse,
Bangrak, Bangkok 10500
THAILAND
Tel : +66 2231 6181
Fax : +66 2231 6180
<http://www.cbcthailand.com/>

CBC Corporation (India) Private Limited Mumbai

2F B Wing, Marwah Centre,
Krishanlal Marwah Marg,
Andheri East, Mumbai 400 072, INDIA
Tel : +91 22 2857 9798
Fax : +91 22 6649 1708
enquiry@cbcindia.jp

T-CBC (TAIWAN) CO., Ltd. Taiwan

Room D, 10th Floor, No.365 Fushing N. Rd.,
Taipei, 10543, TAIWAN, R. O. C.
Tel : +886 2 6600 8001
Fax : +886 2 6600 5211
<http://www.t-cbc.com.tw/>
cbc@t-cbc.com.tw



www.computar-global.com

Business Development & Manufacturing Division
Industrial Optics Department
2-15-13, Tsukishima, Chuo-ku, Tokyo
104-0052, Japan
TEL:+81(0)3 3536 4766 FAX:+81(0)3 3536 4172

www.computar.com

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