

# MML05-HR65DVI-5M / HR65VI-5M

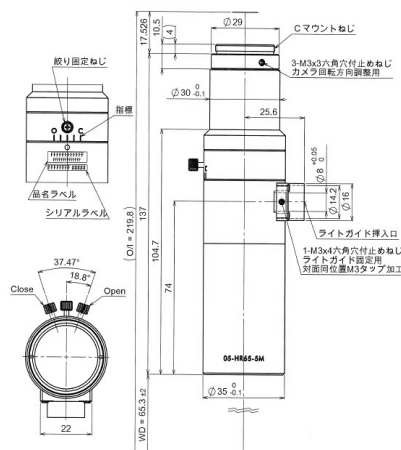
## MML-High Resolution 5M

Drawing No. A04193/A04191

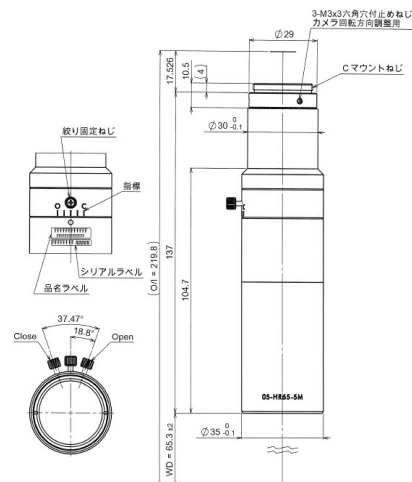


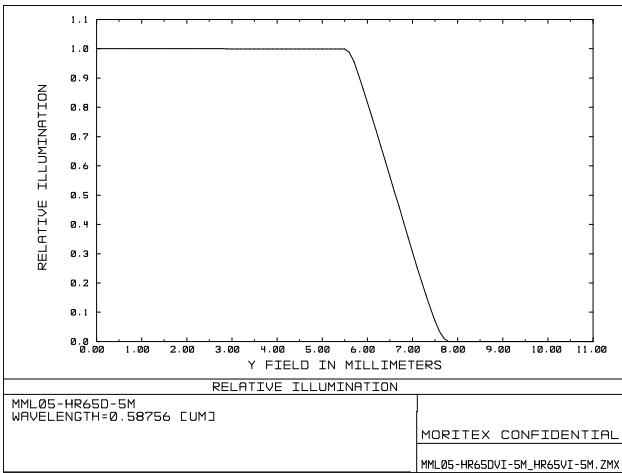
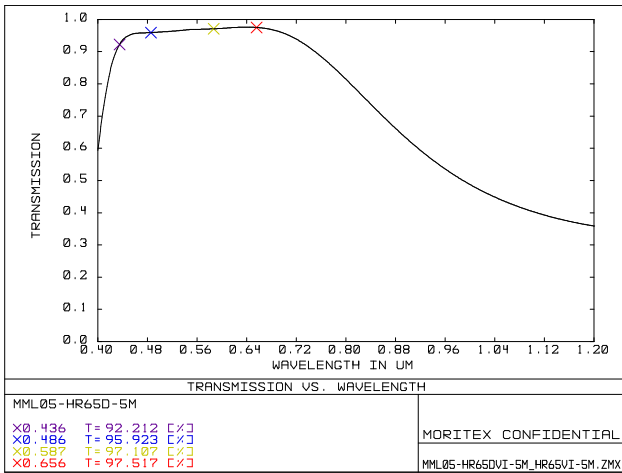
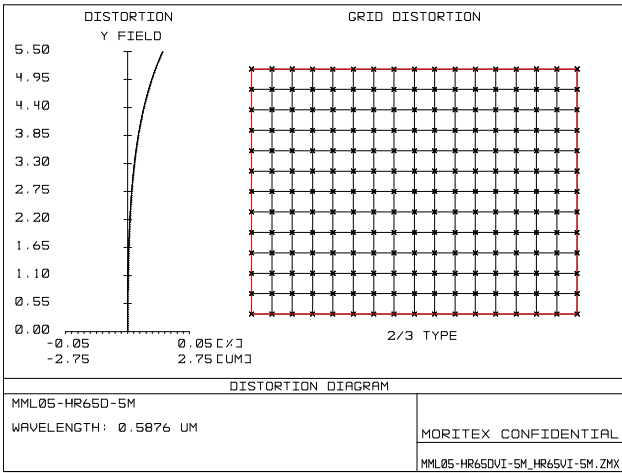
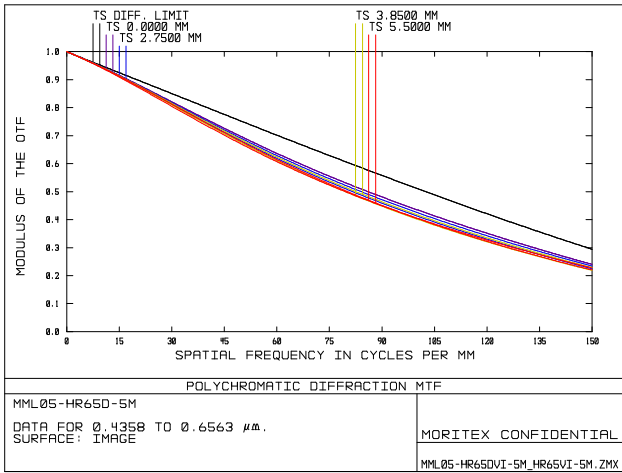
| Lens Type                                             | Fixed Magnification Object Side Telecentric Lens              |
|-------------------------------------------------------|---------------------------------------------------------------|
| Magnification                                         | 0.50                                                          |
| Focal Length (mm)                                     | 150.80                                                        |
| Effective Fno                                         | 7.00~30.60                                                    |
| Numerical Aperture                                    | 0.036~0.008                                                   |
| Working/Object Distance (mm)                          | 65.3/67.0                                                     |
| Object to Image Distance (mm)                         | 219.80                                                        |
| Mechanical Tube Length (mm)                           | 137.00                                                        |
| Lens Back (mm)                                        | 58.85                                                         |
| DOF @PCoC $\phi 0.04\text{mm}$ (mm)                   | 2.200~9.800                                                   |
| Resolution @ $\lambda=520\text{nm}$ ( $\mu\text{m}$ ) | 9.3~41.0                                                      |
| Front/Rear Principal Position (mm)                    | 385.86/-167.24                                                |
| Entrance/Exit Pupil Position (mm)                     | 2,515.84/-26.41                                               |
| Entrance/Exit Pupil Diameter (mm)                     | 185.36/12.26                                                  |
| Telecentricity (deg.)                                 | 0.115(1/3Inch) 0.134(1/2Inch) 0.137(1/1.8Inch) 0.137(2/3Inch) |
| Optical Distortion (%)                                | 0.004(1/3Inch) 0.010(1/2Inch) 0.014(1/1.8Inch) 0.028(2/3Inch) |
| Relative Illumination (%)                             | 99.98(1/3Inch) 99.97(1/2Inch) 99.96(1/1.8Inch) 99.95(2/3Inch) |
| Weight (g)                                            | 210.0/210.0                                                   |
| Mount                                                 | C Mount                                                       |
| Image Circle (mm)                                     | $\phi 11$                                                     |
| Largest Compatible Camera                             | 2/3 Inch                                                      |

### MML05-HR65DVI-5M



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The content is subject to change.

## MORITEX Corporation

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