

6.5X Zoom Lens Series

PMS-Z65M-C(A)

1. Telecentric optical design. Magnification range: 0.7x-4.5x, magnification ratio is 6.5:1
2. Field of view: 2.44-15.71mm(based on 2/3"CCD)
3. Excellent performance, with high resolution, low distortion and super big N.A.
4. Compact design,easy assembly and installation.

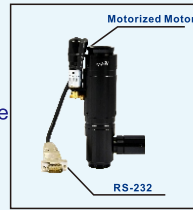


Function and Feature



■ Coaxial Illumination

- Infinity parallel incident light, with shadow-free and uniform illumination
- High contrast and vivid color image, for better image quality
- Applied for reflective surface observation: waters, polishing samples, deep holes, etc



■ Motorized Zoom

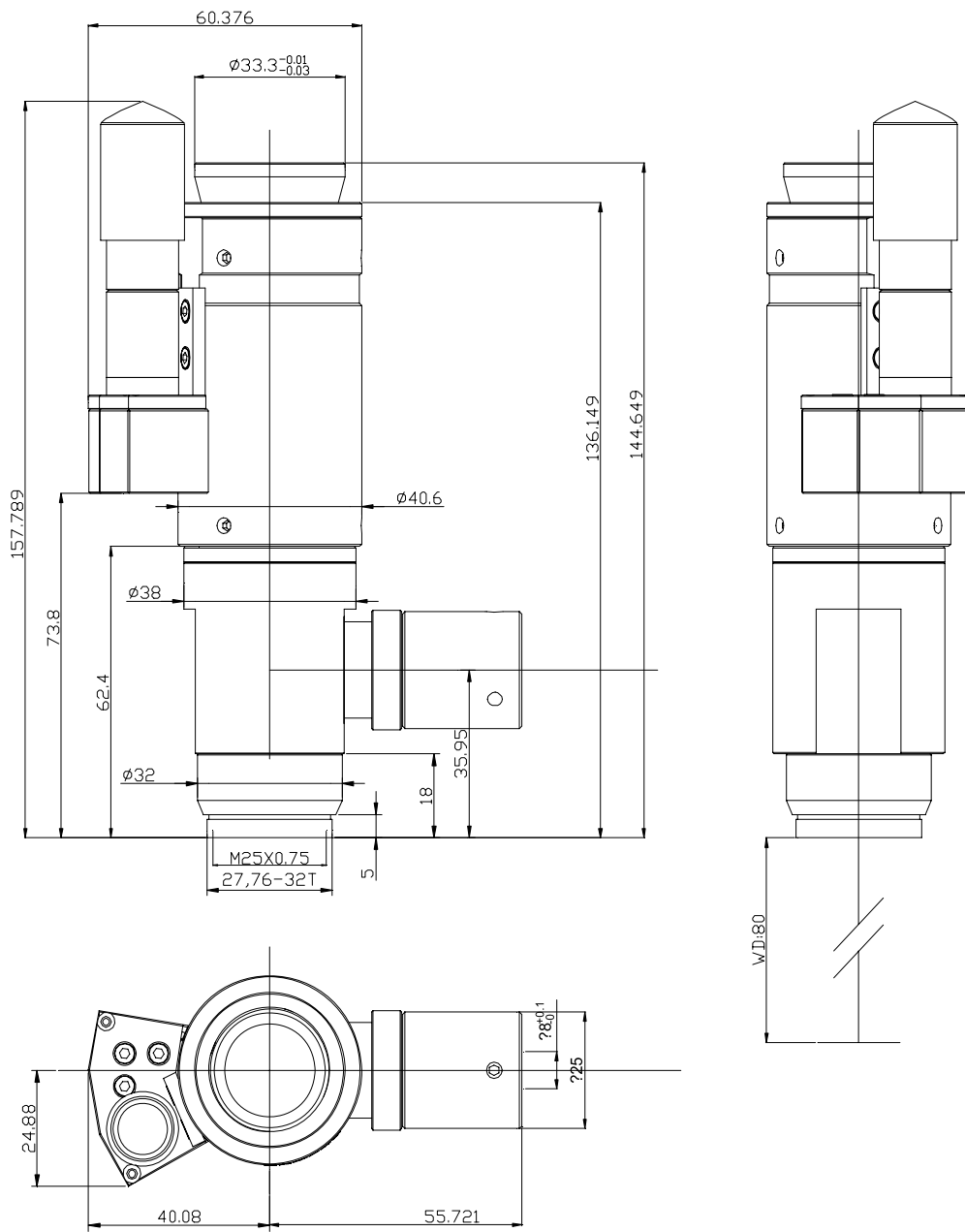
- High speed in zoom and focus and high accuracy in repetitive positioning
- Imported DC servo motor, closed-loop control
- Stable quality even in the strong vibration environment

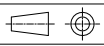


■ Motorized Controller

- The integrated motorized control systems are available for all the POMEAS zoom lenses.
- Motorized controlling system cancontrol singleor dual channels via RS232 or USB;
- Underlying sourcing code will be provided.

| Code | | PMS-Z65M-C(A) | | | | | | | | |
|-------------------------------|------|-------------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Type | | Coaxial Illumination+Motorized Zoom | | | | | | | | |
| Optical Magnification Range | | 0.7X~4.5X | | | | | | | | |
| Working Distance | | 80 ± 2mm | | | | | | | | |
| Optical Magnification | | 0.7X | 1.0X | 1.5X | 2.0X | 2.5X | 3.0X | 3.5X | 4.0X | 4.5X |
| Telecentricity(degree) | | 0.68 | 0.185 | 0.7 | 1.075 | 0.8 | 0.75 | 0.7 | 0.81 | 0.87 |
| Depth of View (mm) | | 1.9 | 0.952 | 0.44 | 0.29 | 0.23 | 0.16 | 0.13 | 0.12 | 0.1 |
| N.A. | | 0.03 | 0.04 | 0.063 | 0.07 | 0.085 | 0.085 | 0.095 | 0.095 | 0.105 |
| F.No. | | 11.7 | 12.7 | 11.95 | 14.4 | 15.3 | 17.6 | 18.5 | 20.8 | 21.3 |
| Resolution (um) | | 11.18 | 7.99 | 5.59 | 4.79 | 4.79 | 3.95 | 3.95 | 3.95 | 3.95 |
| TV Distortion | | 0.06% | 0.02% | 0.01% | 0.03% | 0.003% | 0.002% | 0.03% | 0.03% | 0.03% |
| Field of View (mm) (DxHxV) | 2/3" | 15.71x12.57x9.43 | 11.00x8.80x6.60 | 7.33x5.87x4.40 | 5.50x4.40x3.30 | 4.40x3.52x2.64 | 3.67x2.93x2.20 | 3.14x2.51x1.89 | 2.75x2.20x1.65 | 2.44x1.96x1.47 |
| | 1/2" | 11.43x9.14x6.86 | 8.00x6.40x4.80 | 5.33x4.27x3.20 | 4.00x3.20x2.40 | 3.20x2.56x1.92 | 2.67x2.13x1.60 | 2.29x1.83x1.37 | 2.00x1.60x1.20 | 1.78x1.42x1.07 |
| | 1/3" | 8.57x6.86x5.14 | 6.00x4.80x3.60 | 4.00x3.20x2.40 | 3.00x2.40x1.80 | 2.40x1.92x1.44 | 2.00x1.60x1.20 | 1.71x1.37x1.03 | 1.50x1.20x0.90 | 1.33x1.07x0.80 |
| Max. Sensor Size | | 2/3" | | | | | | | | |
| Mount | | C-Mount | | | | | | | | |
| Zoom Control | | Motorized zoom | | | | | | | | |
| Focus Control | | -- | | | | | | | | |



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|--|---------------|---------------|
| Unit: mm | Scale | 1:1 |
|  | Name | PMS-Z65M-C(A) |
| 0.0 inch 1.0 | Date | 2015.4.10 |
| 0.0 mm 25.0 | POMEAS | |