



360° Exterior Lens

PMS-LHWC0075030(J)

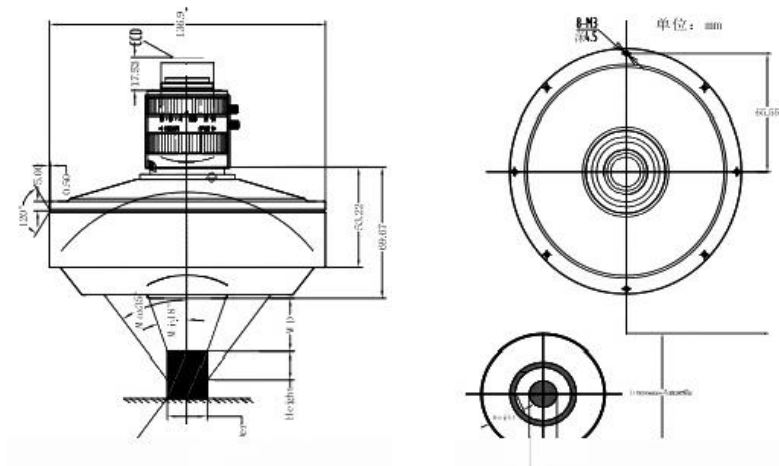
Products Advantage

Efficiently simplify the layout of the vision system 360 ° outer wall imaging system lens 360 ° outer wall inspection lens is used for small objects in the ring outside the side view imaging, through the refractive system to capture the image of the outer wall of the object, and then imaged on the chip, in the form of a round crown image. The larger the diameter of the object to be measured, the higher the height that can be measured, can be photographed to measure the diameter of the object: 7.5mm-30mm, measuring height: 5.3mm-25mm.

| Product Parameters  |              |          |
|---------------------|--------------|----------|
| Chip Target Surface |              | 1/1.8"   |
| Maximum Image Plane |              | 5.32     |
| FOV(Diam*Height)    | Minimal      | 7.5x5.3  |
|                     | Conventional | 15x11.86 |
|                     | Maximum      | 30x25    |
| Spectral range      |              | 450-650  |
| Working distance    |              | 9-46.5   |
| Aperture range F/#  |              | 8-16     |
| Interface           |              | C-mount  |
| Matching Lens FA    |              | 12mm     |

| 1/1.8" 12mm                   |                      |                       |           |    |
|-------------------------------|----------------------|-----------------------|-----------|----|
| Chip target surface           | 1/1.8"               | Maximum Image Plane   | 5.32mm    |    |
| Measuring Object Diameter(mm) | Measuring Height(mm) | Working distance (mm) | F/# value | C% |
| 7.5                           | 5.3                  | 45.4                  | 16        | 12 |
| 10                            | 7.7                  | 41.5                  | 16        | 17 |
| 15                            | 11.86                | 33.8                  | 12        | 27 |
| 20                            | 16.5                 | 26.2                  | 12        | 37 |
| 25                            | 20.7                 | 18.5                  | 10        | 51 |
| 30                            | 25.0                 | 9                     | 8         | 62 |

Product Dimension Drawing



c (%)=  $\frac{\text{Top view diameter (px)}}{\text{Detector short side (px)}} \times 100$

