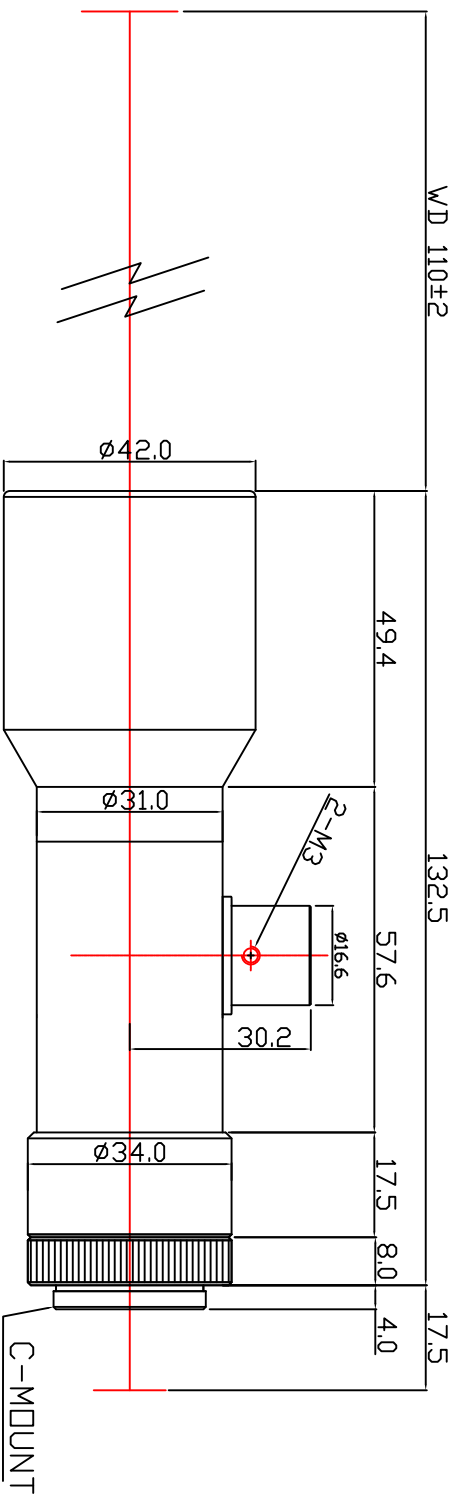




|                                        |        |                |         |
|----------------------------------------|--------|----------------|---------|
| Optical Mgrnification                  | 0.5X   | W.D(mm)        | 110     |
| Resolution(um)                         | 7.2    | N.A            | 0.0465  |
| F/#                                    | 5.38   | D.O.F(um)      | 861     |
| Optical Distortion(%)                  | <0.02% | Telecentricity | < 0.02° |
| F.O.V : 16.9mm X 14.2mm@ 5M CCD CAMERA |        |                |         |

Prohibited modification discretionally  
Do not serve to a third party without any permission

| UNIT     | MODEL           |
|----------|-----------------|
| mm       | TCL0.5X-110D-5M |
| MATERIAL | DWG NO          |