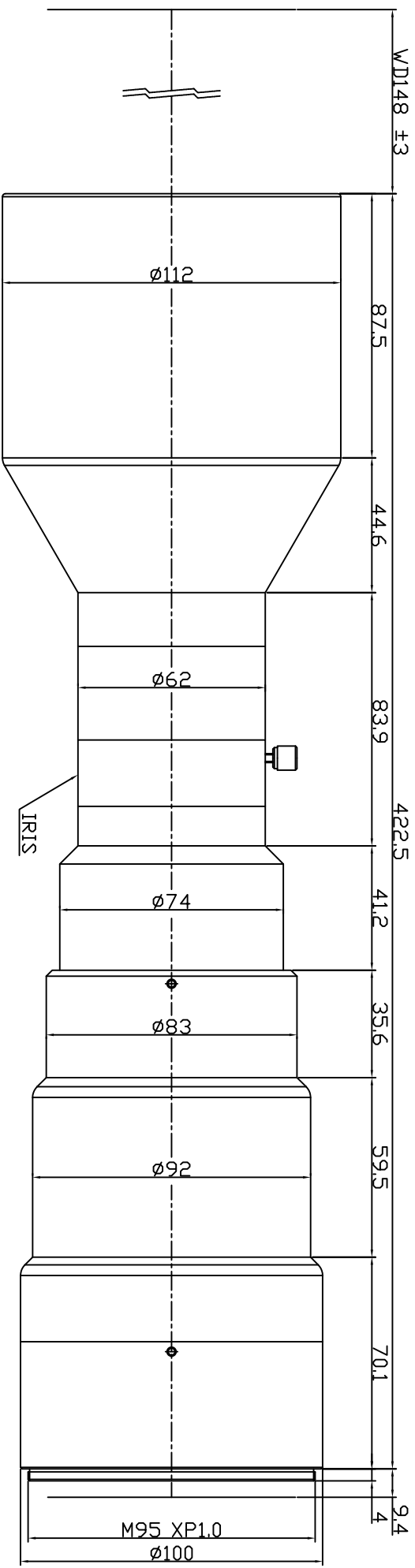




|                                          |         |                  |         |
|------------------------------------------|---------|------------------|---------|
| Optical Magnification                    | 1.0X    | W.D(mm)          | 148     |
| Resolution(um)                           | 6.38    | N.A              | 0.0526  |
| F/#                                      | 9.5     | D.O.F (COC:10um) | 190um   |
| Optical Distortion(%)                    | < 0.03% | Telecentricity   | < 0.04° |
| F.O.V : 81.92mm @ 16K Line Sensor Camera |         |                  |         |

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

| UNIT     | MODEL               |
|----------|---------------------|
| mm       | TCL1.0X-148I-16K-82 |
| MATERIAL | DWG NO.             |
| AL6061   |                     |