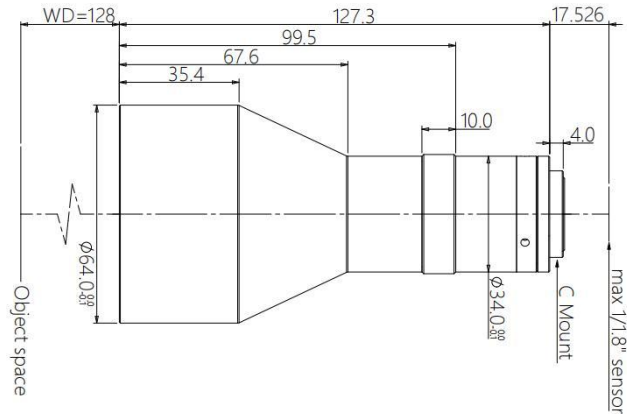


# Specifications

## CK-SDTCM118-48

High-precision dual telecentric lens



### Lens Features

- The ultimate bi-telecentric design with excellent imaging quality
- FOV from 26mm to 300mm, to meet the needs of different markets
- Supports various C-mount industrial cameras from 1/2.5"~1.1"
- Large aperture, high telecentricity, ultra-low distortion, and large depth of field, meeting high-end system requirements

### Optical parameters

Field of View (Φ mm)	48
Magnification β(x)	0.188
Working distance (mm)	128±3
CCD size (Φmm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>190
Depth of field (mm)	±12.4@F11
Image distortion (% max)	<0.15
Telecentricity (° max)	<0.1
Object distance I/O(mm)	273±3

### Supporting light source

Parallel (telecentric) lights  
SDTCL-48-xW-y  
Beam diameter 48mm



### Mechanical parameters

Camera interface	C
Overall length of lens (mm)	127.3
Net weight (kg)	0.4

### Field of View (mm x mm)

1/1.8" IMX178 (7.43x4.9)	39.5x26.1
1/1.8" IMX252/265 (7.1x5.3)	37.8x28.2