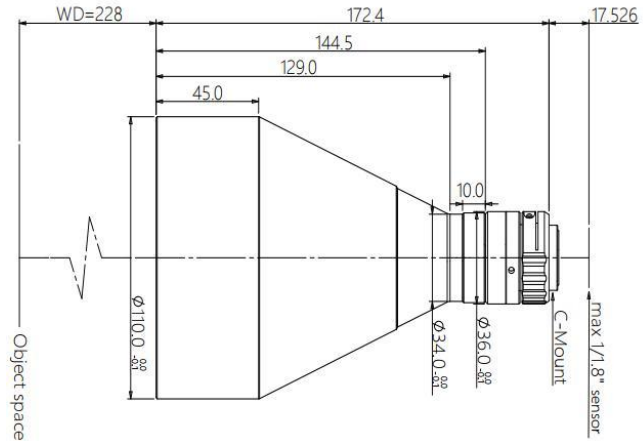


# Specifications

## CK-SDTCM118-80H-AL

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 ( $\Phi$ mm)	80
Magnification $\beta(x)$	0.113
Working distance (mm)	228 $\pm$ 4
CCD size ( $\Phi$ mm)	9.0(1/1.8")
F/#	4.6
MTF30(lp/mm)	>195
Depth of field (mm)	$\pm$ 34.8@F11
Image distortion (% max)	<0.1
Telecentricity ( $^{\circ}$ max)	<0.1
Object distance I/O(mm)	418 $\pm$ 4

### Supporting light source

Parallel (telecentric) lights  
SDTCL-80H-xW-y  
Beam diameter 80mm



### Mechanical parameters

Camera interface	C
Overall length of lens (mm)	172.4
Net weight (kg)	1.9

### Field of View (mm x mm)

1/1.8" IMX178 (7.43x4.9)	65.8x43.4
1/1.8" IMX252/265 (7.1x5.3)	62.8x46.9