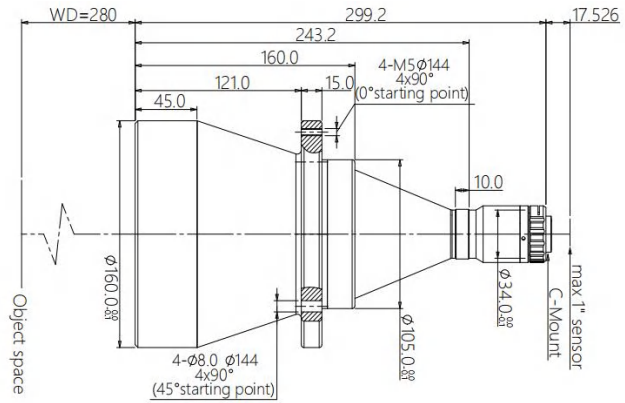


# Specifications

## CK-SDTCM110-120-AL

High-precision dual telecentric lens



### Lens Features

- The ultimate dual 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 telecentric, ultra-low distortion, large depth of field, to meet the requirements of high-end systems

### Optical parameters

Field of View ( $\Phi$ mm)	120
Magnification $\beta(x)$	0.138
Working distance (mm)	280 $\pm$ 5
CCD size ( $\Phi$ mm)	16.6(1")
F/#	6.5
MTF30(lp/mm)	>140
Depth of field (mm)	$\pm$ 33.6@F16
Image distortion (% max)	<0.1
Telecentricity ( $^{\circ}$ max)	<0.1
Object distance I/O(mm)	597 $\pm$ 5

### Supporting light source

SDTCL-120-xW-y  
Parallel (telecentric) lights  
Beam diameter 120mm



### Mechanical parameters

Camera interface	C
Overall length of lens (mm)	299.2
Net weight (kg)	4.3

### Field of View (mm x mm)

1" PYTHON 5000(12.43x9.83)	90.1x71.2
1" IMX255(14.19x7.51)	102.8x54.4
1" IMX183(13.13x8.76)	95.1x63.5