COOLENS®
视清科技

Datasheet

DTCM230-120H-AL

C-mount Bi-telecentric Lens



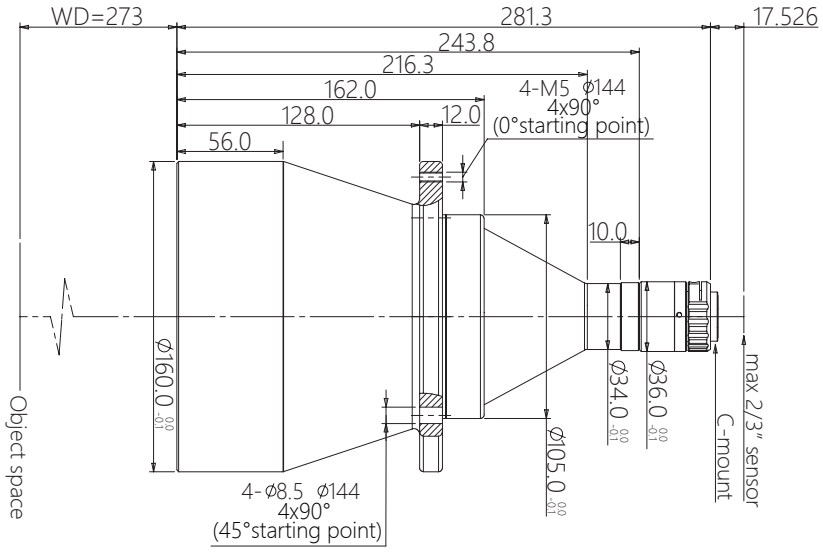
- Optimized for 1/2.5"~1.1" C-Mount cameras;
- Excellent resolution for high pixel cameras;
- Low distortion, good telecentricity, big aperture and big depth of field for high end application.

Optical Specifications	
Magnification (x)	0.095
Object Field of View (Φmm)	120
Working Distance (mm)	273±5
Max Sensor Size (Φmm)	11.4(2/3")
Best Aperture (F/#)	4.9
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>185
Depth of Field (mm)	±48.8@F11
Length of I/O (mm)	572±5

Field of View (mm × mm)	
1/1.8" EV76C570 (7.2x5.4)	75.8x56.8
1/1.7" IMX226 (7.5x5.6)	78.9x58.9
2/3" IMX250/264 (8.45x7.1)	88.9x74.7
Mechanical Specifications	
Mount	C
Length (mm)	281.3
Weight (kg)	4.2
Compatible Lighting	
Telecentric LED Lighting	DTCL-80-xW-y
	Beam Diameter 80mm

Notes:

1. Depth of Field is calculated value, this value could be used for imaging test, but to get sharp image in application, half of calculated value is suggested.
2. Length of I/O = WD + Length + Back Focal Length.



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