COOLENS®

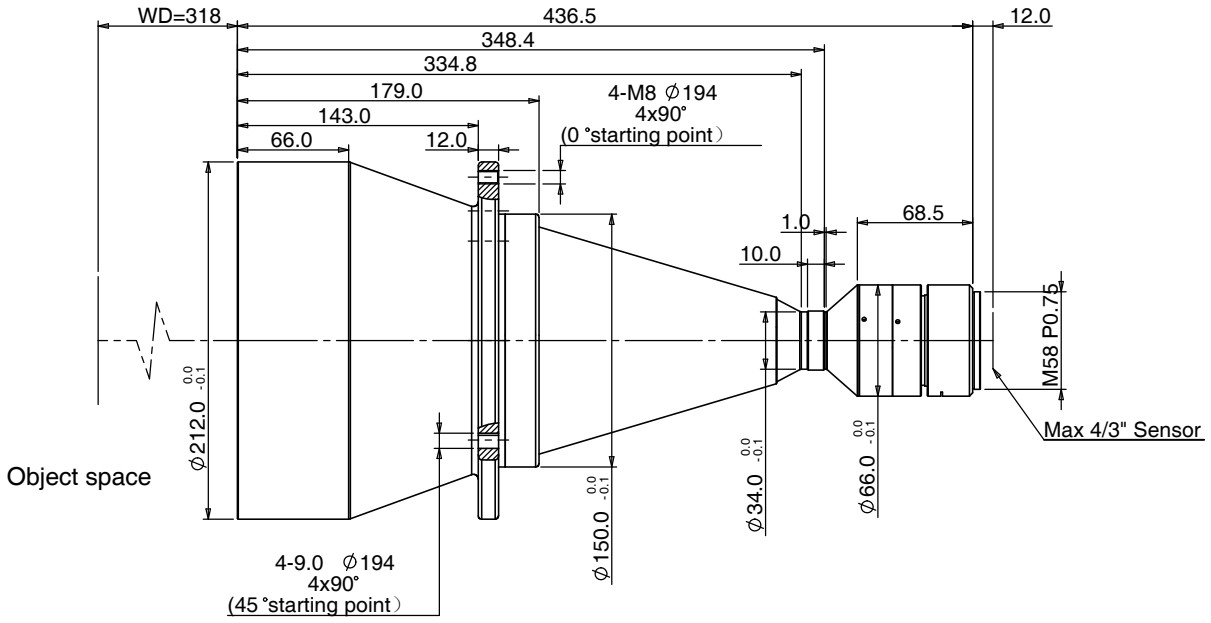
DTCM430H-170-M58-AL

Large Format Bi-telecentric Lens

- Optimized for 4/3"~44mm M-mount or other mount cameras;
- FOV from 26mm upto 300mm;
- High resolution, low distortion and homogeneous image quality;
- Full test report for each units are provided;
- Customized mounts available.

Optical Specifications	
Magnification (x)	0.139
Object Field of View (Φmm)	170
Working Distance (mm)	318±5
Max Sensor Size (Φmm)	23.6(4/3")
Best Aperture (F/#)	4.6
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>188
Depth of Field (mm)	±33.2@F16
Length of I/O (mm)	766±5

Field of View (mm × mm)	
4/3" Keyence 21M (17.86x14.32)	128.5x103.0
4/3" PYTHON 12K (18.43x13.82)	132.6x99.4
4/3" CMV8000 (18.48x13.73)	132.9x98.8
Mechanical Specifications	
Mount	M42/M58/F
Length (mm)	436.5
Weight (kg)	7.0
Compatible Lighting	
Telecentric LED Lighting	DTCL-170-xW-y
	Beam Diameter 170mm

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.