Kvision®
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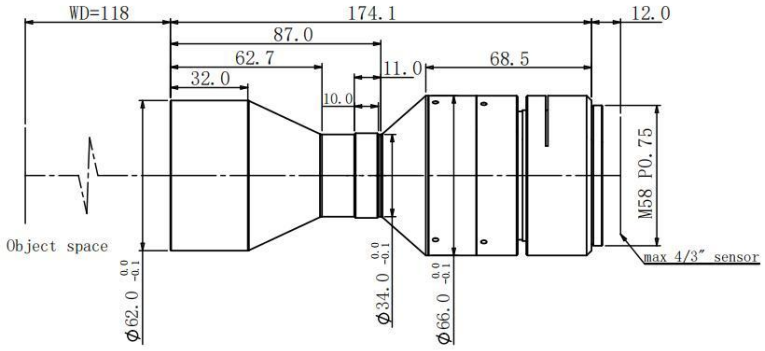
Specifications

CK-SDTCM430H-42-M58-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 M/F interface industrial cameras from 4/3"~59mm
- A variety of combinations, and can achieve double rate, built-in coaxial light and other functions
- Large aperture, high telecentricity, ultra-low distortion, and large depth of field, meeting high-end system requirements

Optical parameters

Field of View (Φ mm)	42
Magnification β (x)	0.562
Working distance (mm)	118±3
CCD size (Φmm)	23.6(4/3")
F/#	9.3
MTF30(lp/mm)	>96
Depth of field (mm)	±2.5@F20
Image distortion (% max)	<0.1
Telecentricity (° max)	<0.1
Object distance I/O(mm)	304±3

Supporting light source

Parallel (telecentric) lights
SDTCL-42-xW-y
Beam diameter 42mm

Mechanical parameters

Camera interface	M58
Overall length of lens (mm)	174.1
Net weight (kg)	0.9

Field of View (mm x mm)

4/3" KEYENCE 21M (17.86x14.32)	31.8x25.5
4/3" PYTHON 12K (18.43x13.82)	32.8x24.6
4/3" CMV8000 (18.48x13.73)	32.9x24.4