MVL-HT-05-110C

0.5 x 110mm 1/2” TELECENTRIC LENS

HT series Telecentric Lens are designed for machine vision application with excellent imaging quality, magnification range from 0.5x to 2.0x, working distance range from 65mm to 150mm, optional point light interface.

Key Features

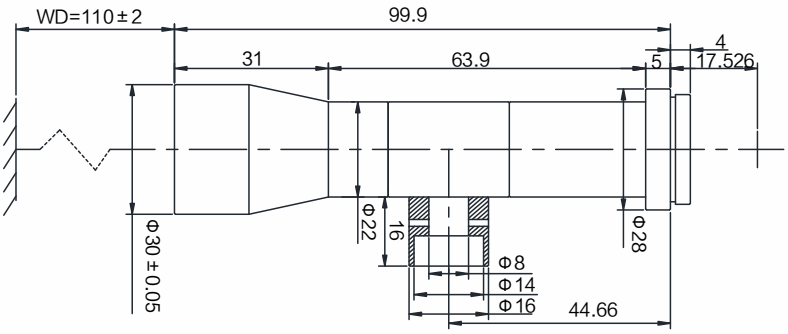
- High resolution and uniformity of image definition
- Low optical distortion and high telecentricity, more suitable for high precision measurement application
- Excellent anti-vibration performance and stability performance in temperature variation
- Image size compatible with 1/1.8"

Specification

Model / Parameter		MVL-HT-05-110C					
		0.5x 110mm 1/2” TELECENTRIC LENS					
Magnification		0.5x		Working Distance		110±2mm	
Depth of Field*		3mm		Resolution		12.61μm	
Optical Distortion		≤ 0.1%		Telecentricity		≤ 0.1°	
F-Number		F9.4		Object Space NA		0.027	
Image Size		Φ8.4mm		Object-image Distance		227.43±2mm	
Mount		C-Mount		Dimension		99.9mm×30mm	
Operating Temperature		-10~50℃		Weight		92g	
Field of View (mm)	D	1/3”	12	1/2”	16	1/1.8”	17.8
	H		9.6		12.8		14.4
	V		7.2		9.6		10.6

*The Depth of Field is the theoretical calculated value when the diameter of the maximum confusion circle is 40μm.

Dimension



Unit: mm

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