

Macro lens, 1.1" 12MP

LS-ML-11IN-12MP series · Lenses · 5 models



12MP macro lenses designed for precise imaging with limited space, working distance 52-546 mm, with a large image circle suitable for IMX253LLR (1.1" 12MP); EFL 16-75 mm, magnification 0.03x-0.8x, ultra-low distortion (<0.05%).

Features

- High resolution up to 12MP
- Designed for precise imaging with limited space, WD from 52mm to 546mm
- Large image circle, suitable for IMX253LLR (1.1" 12MP)
- EFL range from 16mm to 75mm
- Magnification range from 0.03x-0.8x
- Ultra-low distortion (<0.05%)
- High contrast, low distortion

Applications

- Industrial: blemish / stain - inspect steel plate for defects and blemishes
- Electronic component: yes or no / identify - check the number of tiny chips and poor imprint
- Electronic component: blemish / stain - detecting camera defects
- Electronic equipment: yes or no / identify - detect poor binding and lead breakage of motor wires

Common specifications

Focal length range	16-75mm
F/NO	2.8-16
Mount	C-Mount
Distortion	<0.05%
Image size	1.1"
Resolution	12MP

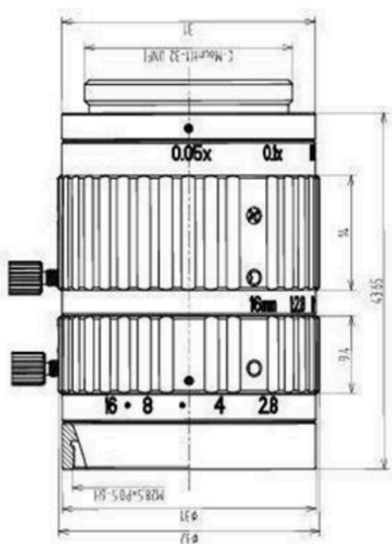
Models

Model	EFL	Optical magnification	O/I	Distortion (TV)	Working distance	Filter size	Aperture
LS-ML1610A	16mm	0.25X~0.03X	115.5-606.9	<0.33%	52-546	M28.5×P0.5	F2.8-16

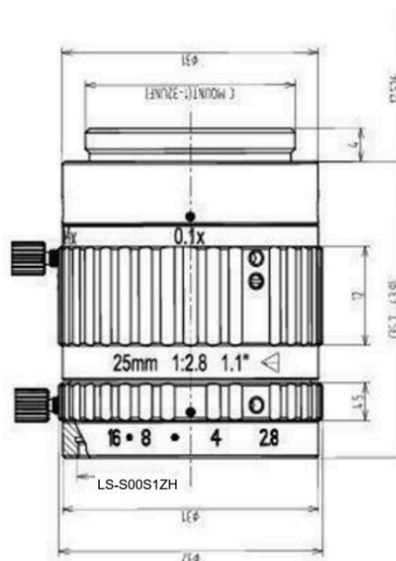
LS-ML2510A	25mm	0.4X~0.1X	126-314.1	<0.07%	65-260.4	M27×P0.5	F2.8-16
LS-ML3510A	35mm	0.7X~0.25X	145.3-220.6	<0.05%	59-150	M27×P0.5	F2.8-16
LS-ML5010A	50mm	0.8X~0.5X	195.6-220.1	<0.05%	95.4-132.4	M27×P0.5	F2.8-16
LS-ML7510A	75mm	0.38X~0.18X	357-557	<0.05%	257-471	M27×P0.5	F3.8-16

More values per model (Image size (dia.), Sensor format) are on each product page.

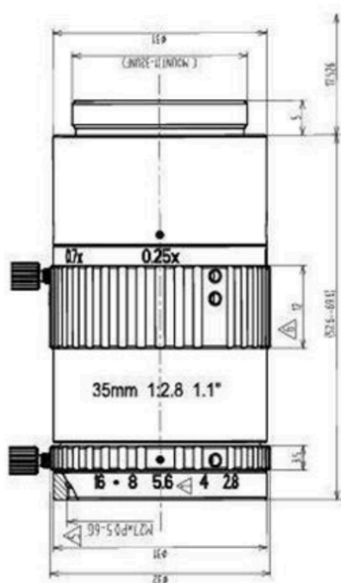
Dimensions



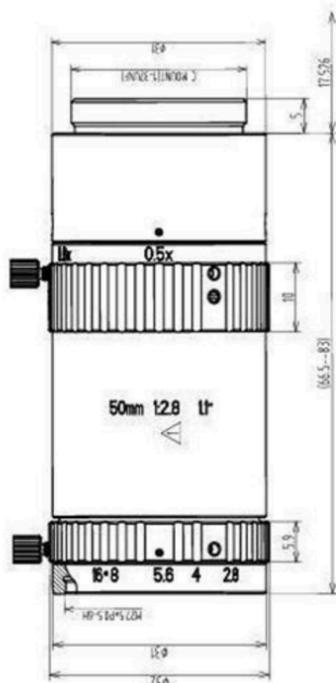
LS-ML1610A



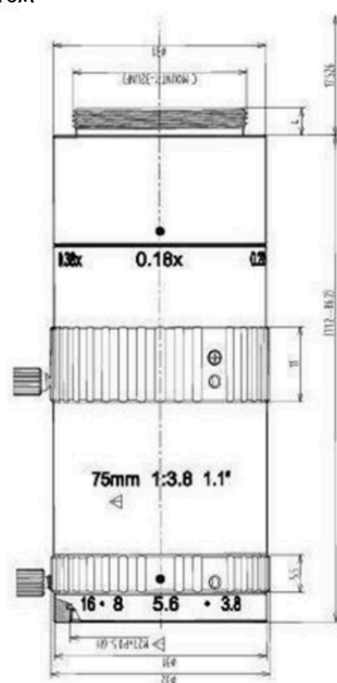
LS-ML2510A



LS-ML3510A



LS-ML5010A



LS-ML7510A