

Large format lens

LS-MF-H series · Lenses · 7 models



Large format lenses with max image circle up to 43 mm, supporting 29MP sensors and suitable for 4K line scan cameras with 5 μ /7 μ pixels; better optical performance than SLR lenses, with standard EFL and magnification options, applied to printing and packaging inspection.

Features

- Support 29MP sensor / suitable for 4k line scan cameras with 5 μ /7 μ pixel size
- Max image circle is up to 43mm
- Better optical performance than SLR lens
- Standard EFL and magnification available
- Applied to printing and packaging inspection

Applications

- Industrial: blemish / stain - detect defects and blemishes on steel plates
- Electronic equipment: yes or no / identify - identify the colour of the battery pack
- Electronic component: height - detecting metal markings
- Liquid crystal, semiconductor: calculate - SD card number calculation

Common specifications

Focal length range	35-90mm
Magnification range	0.01X-0.4X
Mount	F-Mount
Distortion	<0.01%
Note	Drawings on f03-p020 show LS-MF3502A, LS-MF3515A, LS-MF4010A, LS-MF5015A, LS-MF6016A, LS-MF8003A; LS-MF9005A is in the table only. Feature text says max image circle up to 43 mm while some table rows list larger image sizes.

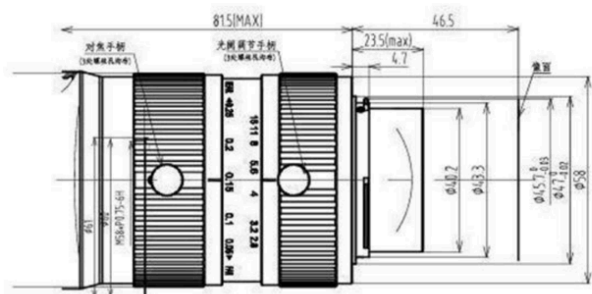
Models

Model	EFL	Standard magnification	Image size (dia.)	F/NO	Optical distortion	Working distance	Conjugate distance
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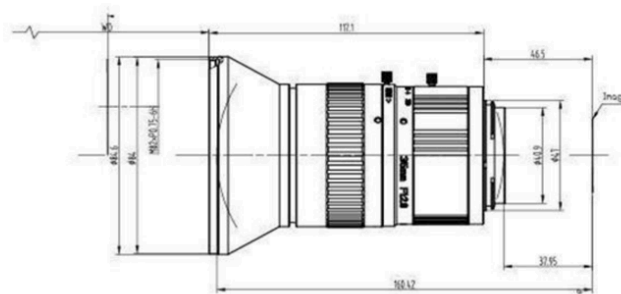
LS-MF3502A	35mm	0.1X	dia. 45	2.8-16	<0.4%	350.9	474.5
LS-MF3515A	35mm	0.15X	dia. 44	2.8-16	1.2%	194.1	357.8
LS-MF4010A	40mm	0.1X	dia. 43.2	2.8-22	<0.2%	409	498.48
LS-MF5015A	50mm	0.062X	dia. 44	2.8-22	<0.3%	833.4	948.9
LS-MF6016A	60mm	0.167X	dia. 64	4.0-32	0.19%	384.9	496.32
LS-MF8003A	80mm	0.3X	dia. 58	5.6-32	<0.01%	306.2	451.78
LS-MF9005A	90mm	0.05X	dia. 43.2	4.0-16	<0.01%	1985	2112

More values per model (Flange distance, Filter size, Sensor format, Aperture) are on each product page.

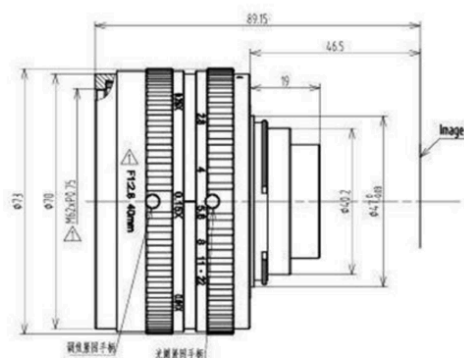
Dimensions



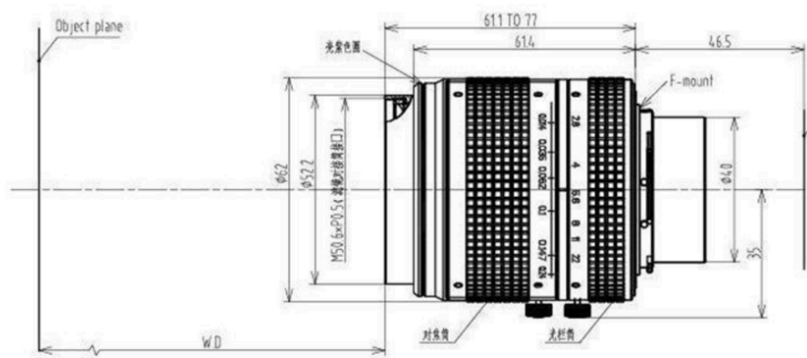
LS-MF3502A



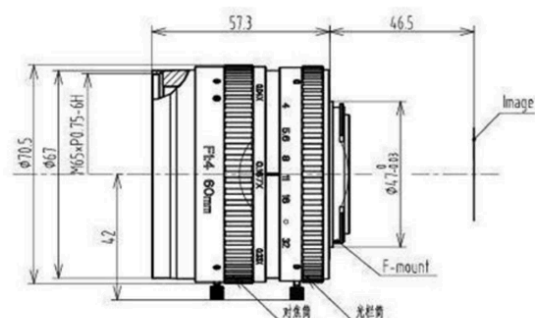
LS-MF3515A



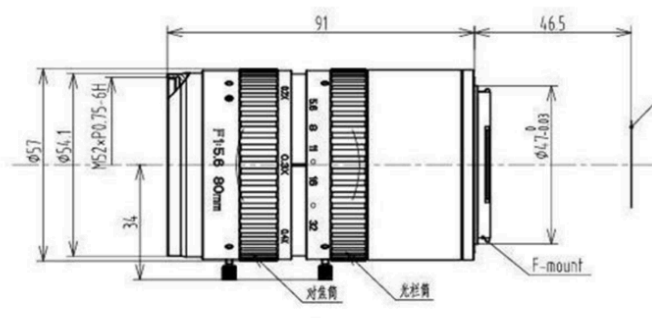
LS-MF4010A



LS-MF5015A



LS-MF6016A



LS-MF8003A

Product views

