

FA lens series (VFA1)

LS-VFA1 series · Lenses · 34 models

FA lens series: compact design, adjustable aperture, ultra-high resolution and minimized distortion; supports 1/1.8", 1/1.7", 2/3", 1" sensors, max sensor 1.1"

Features

- Compact design
- Adjustable aperture
- Ultra-high resolution
- High performance with minimized distortion
- Support 1/1.8", 1/1.7", 2/3", 1" sensor, max sensor 1.1"



Common specifications

Mount	C-Mount
Temperature range	10~+50°C
Storage temperature range	20~+60°C

Ordering code: VFA1-<sensor code, e.g. 118 = 1/1.8", 230 = 2/3", 110 = 1", 111 = 1.1">-<resolution MP>M<focal length mm> (as seen in the model list)

Models

Model	Sensor	F.no	Focal length	Field of view H	Field of view V	Field of view D	Distortion
LS-VFA1-118-5M04	1/1.8"	2.0-C	4mm	82.9°	66.5°	94°	<0.5%
LS-VFA1-118-5M06	1/1.8"	1:2.0-C	6mm	59.6°	46°	69.8°	<0.1%
LS-VFA1-118-5M08	1/1.8"	2.0-C	8mm	46.8°	36°	56°	<0.1%
LS-VFA1-118-5M12	1/1.8"	1:2.0-C	12mm	33.0°	24.3°	40.7°	<0.3%
LS-VFA1-118-5M16	1/1.8"	2.0-C	16mm	24.7°	18.2°	30.3°	<0.1%
LS-VFA1-118-5M25	1/1.8"	1:2.0-C	25mm	13.6°	11.3°	19°	<0.1%
LS-VFA1-118-5M35	1/1.8"	1:2.0-C	35mm	8.8°	7.0°	12.24°	<0.1%
LS-VFA1-118-5M50	1/1.8"	2.8-22	50mm	8.2°	6.1°	10.2°	<0.05%
LS-VFA1-118-5M75	1/1.8"	2.8-22	75mm	5.4°	4.04°	5.84°	<0.05%
LS-VFA1-117-12M06	1/1.7"	1:2.4-16	6mm	64.51°	45.67°	75.16°	<0.32%
LS-VFA1-117-12M08	1/1.7"	1:2.4-16	8mm	51.33°	35.34°	60.79°	<0.61%
LS-VFA1-117-12M12	1/1.7"	1:2.4-16	12mm	34.89°	23.81°	41.70°	<0.34%
LS-VFA1-117-12M16	1/1.7"	1:2.4-16	16mm	26.06°	17.6°	31.34°	<0.09%
LS-VFA1-117-12M25	1/1.7"	1:2.4-16	25mm	16.84°	11.29°	20.46°	<0.04%
LS-VFA1-117-12M35	1/1.7"	1:2.4-16	35mm	11.48°	7.64°	14.01°	<0.04%
LS-VFA1-117-12M50	1/1.7"	1:2.4-16	50mm	7.78°	5.20°	9.47°	<0.03%
LS-VFA1-230-5M08	2/3"	1:1.4~16	8mm	56.3°	43.7°	61.7°	<1%
LS-VFA1-230-5M12	2/3"	1:1.4~16	12mm	39°	30.3°	46.6°	<0.8%

LS-VFA1-230-5M16	2/3"	1:1.4~16	16mm	30.3°	23°	37.3°	<0.1%
LS-VFA1-230-5M25	2/3"	1:1.4~16	25mm	20°	15°	24.6°	<0.2%
LS-VFA1-230-5M35	2/3"	1:1.4~16	35mm	13.9°	10.4°	17.3°	<0.8%
LS-VFA1-230-5M50	2/3"	1:1.4~16	50mm	10.46°	7.86°	13.04°	<0.8%
LS-VFA1-230-10M08	2/3"	1:2.8~16	8mm	57.6°	44.0°	67.6°	<0.1%
LS-VFA1-230-10M12	2/3"	1:2.8~16	12mm	39.8°	30.4°	48.5°	<0.2%
LS-VFA1-230-10M16	2/3"	1:2.8~16	16mm	30.8°	23.1°	38.5°	<0.1%
LS-VFA1-230-10M25	2/3"	1:2.8~16	25mm	20°	15.3°	24.6°	<0.1%
LS-VFA1-230-10M35	2/3"	1:2.8~16	35mm	13.1°	9.9°	16.3°	<0.1%
LS-VFA1-230-10M50	2/3"	1:2.8~16	50mm	10.4°	8.4°	12.3°	<0.1%
LS-VFA1-110-5M12.5	1"	1.4~16	12.5mm	54.5°	42°	66.3°	<1.8%
LS-VFA1-110-5M16	1"	1.4~16	16mm	42.4°	32.4°	51.6°	<0.2%
LS-VFA1-110-5M25	1"	1.4~16	25mm	28.7°	22.06°	34.94°	<0.2%
LS-VFA1-110-5M35	1"	1.4~16	35mm	19.28°	14.32°	23.92°	<0.1%
LS-VFA1-110-5M50	1"	1.4~16	50mm	13.86°	10.4°	17.14°	<0.1%
LS-VFA1-110-5M75	1"	1.8~16	75mm	9.8°	7.4°	12.2°	<0.1%

More values per model (Resolution, Sensor format, Aperture) are on each product page.

