

AL Series C/CS Mount Lenses

Varifocal Manual IRIS lens

Varifocal DC IRIS lens

Fixed focal lens

IR Corrected lens

Aspherical lens (MEGA Pixel)

Varifocal Manual IRIS



Specifications:

Model Name		AL-358M	AL-2810M	AL-416M	AL-550M
Focal Length		3.5~8mm	2.8~10mm	4.0~16mm	5~50mm
Max. Aperture Ratio		1:1.4~360	1:1.4~360	1:1.4~360	1:1.7~360
Max. Image Format (H X V)		4.8 X 3.6	4.8 X 3.6	4.8 X 3.6	4.8 X 3.6
Operation	IRIS	Manual (F1.4-Close)	Manual (F1.4-Close)	Manual (F1.4-Close)	Manual (F1.7-Close)
	Focus	Manual	Manual	Manual	Manual
	Zoom	Manual	Manual	Manual	Manual
Angle of View	D	101.70~44.30	115.80~35.30	79.30~22.20	64.20~6.90
	H	80.70~35.40	93.70~28.30	65.40~17.80	51.70~5.50
	V	600~26.50	70.60~21.20	49.60~13.30	38.90~4.10
Effective Lens Aperture	Front	Ø17.5mm	Ø20.5mm	Ø22.0mm	Ø37.7mm
	Rear	Ø8.8mm	Ø8.8mm	Ø8.0mm	Ø9.0mm
Back Focal Length		8.4~14.2mm	7.8~17mm	7.0~16.2mm	7.6~11mm
Flange Back Length		12.5mm	12.5mm	12.5mm	12.5mm
Mount		CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)
Dimensions (L X Ø)		45.3 X Ø33.5	57.2 X Ø34.5	55 X Ø34.5	61.5 X Ø44
Weight		44g	55g	57g	130g
Operating Temperature		-200C~+500C	-200C~+500C	-200C~+500C	-200C~+500C

Varifocal DC IRIS



Specifications:

Model Name		AL-358D	AL-2810D	AL-416D	AL-550D
Focal Length		3.5~8mm	2.8~10mm	4.0~16mm	5~50mm
Max. Aperture Ratio		1:1.4~360	1:1.4~360	1:1.4~360	1:1.7~360
Max. Image Format (H X V)		4.8 X 3.6	4.8 X 3.6	4.8 X 3.6	4.8 X 3.6
Operation	IRIS	Auto (F1.4-360)	Auto (F1.4-360)	Auto (F1.4-360)	Auto (F1.7-360)
	Focus	Manual	Manual	Manual	Manual
	Zoom	Manual	Manual	Manual	Manual
Angle of View	D	101.70~44.30	115.80~35.30	79.30~22.20	64.20~6.90
	H	80.70~35.40	93.70~28.30	65.40~17.80	51.70~5.50
	V	600~26.50	70.60~21.20	49.60~13.30	38.90~4.10
Effective Lens Aperture	Front	Ø17.5mm	Ø20.5mm	Ø22.0mm	Ø37.7mm
	Rear	Ø8.8mm	Ø8.8mm	Ø8.0mm	Ø9.0mm
Back Focal Length		8.4~14.2mm	7.8~17mm	7.0~16.2mm	7.6~11mm
Flange Back Length		12.5mm	12.5mm	12.5mm	12.5mm
Mount		CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)
Dimensions (L X W X H)		45.3 X 39 X 45	57.2 X 40 X 46	57.3 X 40 X 46	61.5 X 44.5 X 50.8
Weight		57g	65g	67g	140g
IRIS Coil	Drive	190Ω	190Ω	190Ω	190Ω
	Control	700Ω	700Ω	700Ω	700Ω
Operating Voltage	Open	4.0V	4.0V	4.0V	4.0V
	Close	0.5V	0.5V	0.5V	0.5V
Operating Temperature		-200C~+500C	-200C~+500C	-200C~+500C	-200C~+500C

Fixed Focal lens



Specifications:

Model Name		AL-04F	AL-08F
Focal Length		4mm	8mm
Max. Aperture Ratio		1:1.2	1:1.2
Max. Image Format (H X V)		4.8 X 3.6	4.8 X 3.6
Operation	IRIS	Fixed (F1.2)	Fixed (F1.2)
	Focus	Manual	Manual
	Zoom	-	-
Angle of View	D	78.70	45.00
	H	64.70	35.70
	V	49.20	26.60
Effective Lens Aperture	Front	Ø18.5mm	Ø10.5mm
	Rear	Ø10.6mm	Ø8.6mm
Back Focal Length		8.45mm	8.55mm
Flange Back Length		12.5mm	12.5mm
Mount		CS (1"-32 UNF)	CS (1"-32 UNF)
Dimensions (L X W X H)		32.2 X Ø30	23.6 X Ø30
Weight		48g	35g
Operating Temperature		-200C~+500C	-200C~+500C

IR Corrected Lens



Specifications:

Model Name		AL-358DIR	AL-308DIR	AL-42155DIR	AL-550DIR
Focal Length		3.5~8.0mm	3.0~8mm	4.2~15.5mm	5~50mm
Max. Aperture Ratio		1:1.4~360	1:1.2~360	1:1.4~360	1:1.4~360
Max. Image Format (H X V)		4.8 X 3.6	4.8 X 3.6	4.8 X 3.6	4.8 X 3.6
Operation	IRIS	Auto (F1.4-360)	Auto (F1.2-360)	Auto (F1.4-360)	Auto (F1.4-360)
	Focus	Manual	Manual	Manual	Manual
	Zoom	Manual	Manual	Manual	Manual
Angle of View	D	101.70~44.30	97.50~43.90	76.20~22.90	65.70~7.20
	H	80.70~35.40	82.40~35.40	62.50~18.30	52.70~5.70
	V	600~26.50	63.90~26.60	47.20~13.80	39.60~4.30
Effective Lens Aperture	Front	Ø17.5mm	Ø27.8mm	Ø22.0mm	Ø37.7mm
	Rear	Ø8.8mm	Ø8.5mm	Ø8.0mm	Ø10.0mm
Back Focal Length		8.4~14.2mm	7.3~13.9mm	7.0~16.2mm	7.6~11.5mm
Flange Back Length		12.5mm	12.5mm	12.5mm	12.5mm
Mount		CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)
Dimensions (L X W X H)		45.3 X 39 X 45	56.8 X 44.5 X 50.8	57.3 X 40 X 46	61.5 X 44.5 X 50.8
Weight		65g	85g	67g	157g
IRIS Coil	Drive	190Ω	190Ω	190Ω	190Ω
	Control	700Ω	850Ω	700Ω	700Ω
Operating Voltage	Open	4.0V	4.0V	4.0V	4.0V
	Close	0.5V	0.5V	0.5V	0.5V
Operating Temperature		-200C~+500C	-200C~+500C	-200C~+500C	-200C~+500C

Aspherical Lens



Specifications:

Model Name		**AL-2882ASIR	AL-2812ASIR	AL-550ASIR
Focal Length		2.8~8.2mm	2.8~12mm	5~50mm
Max. Aperture Ratio		1:1.4~360	1:1.4~360	1:1.7~360
Max. Image Format (H X V)		4.8 X 3.6	4.8 X 3.6	4.8 X 3.6
Operation	IRIS	Auto (F1.4-360)	Auto (F1.4-360)	Auto (F1.4-360)
	Focus	Manual	Manual	Manual
	Zoom	Manual	Manual	Manual
Angle of View	D	116.5 ⁰ ~42.4 ⁰	121.7 ⁰ ~30.0 ⁰	64.2 ⁰ ~6.9 ⁰
	H	94.2 ⁰ ~34.1 ⁰	97.6 ⁰ ~24.1 ⁰	51.7 ⁰ ~5.5 ⁰
	V	71.0 ⁰ ~25.6 ⁰	72.6 ⁰ ~18.8 ⁰	38.9 ⁰ ~4.1 ⁰
Effective Lens Aperture	Front	Ø26.0mm	Ø26.6mm	Ø37.7mm
	Rear	Ø8.6mm	Ø7.7mm	Ø10.0mm
Back Focal Length		7.97~14.12mm	7.7~17.9mm	7.6~11.1mm
Flange Back Length		12.5mm	12.5mm	12.5mm
Mount		CS (1"-32 UNF)	CS (1"-32 UNF)	CS (1"-32 UNF)
Dimensions (L X W X H)		56.6 X 43.3 X 47.9	53.9 X 45.0 X 49.4	61.9 X 44.4 X 52.2
Weight		105g	113.5g	140g
IRIS Coil	Drive	190Ω	190Ω	190Ω
	Control	855Ω	700Ω	700Ω
Operating Voltage	Open	4.0V	4.0V	4.0V
	Close	0.5V	0.5V	0.5V
Operating Temperature		-20 ⁰ C~+50 ⁰ C	-20 ⁰ C~+50 ⁰ C	-20 ⁰ C~+50 ⁰ C

** (MEGA Pixel)