

Ultra HD Megapixel Lenses

Fixed Focal and Vari-Focal Ultra HD Lenses for MegaVideo® Series Cameras



For Use with 5MP and 10MP MegaVideo® Compact IP Cameras

In comparison with traditional security lenses, Arecont Vision's Ultra MP Fixed Focal and Vari-Focal Series Lenses have these advantages:

- Larger Aperture, F1.4
- Higher Sharpness
- Lower Distortion
- Better Relative Illumination
- Less Chromatic Aberration
- CS Mount
- 1/2.3", 1/1.8", 2/3" Optical Options

Lens Specifications:

Part Number	Focal Length	Optical Format	Mount	Aperture	Iris Range	IR Corrected	Dimensions in mm	Weight
Fixed Focal								
UHD7.2	7.2 mm	1/2.3"	CS	F2.4	Fixed	Yes	ø 30 x 25mm	37.5g
M118FM08	8 mm	1/1.8"	C	F1.4	Manual	No	ø 29 x 27.3mm	44g
M118FM16	16 mm	1/1.8"	C	F1.4	Manual	No	ø 29 x 24.1mm	39g
JHF25M-5MP	25 mm	2/3"	C	F1.4	Manual	No	ø 51 x 48 mm	190g
JHF35M-5MP	35 mm	2/3"	C	F1.4	Manual	No	ø 51 x 62mm	230g
Vari-Focal								
UHD45-10	4.5-10 mm	1/2.3"	CS	F1.8	Manual	Yes	ø 40 x 61mm	174.1g
UHD45-10AI	4.5-10 mm	1/2.3"	CS	F1.8	DC iris	Yes	ø 40 x 61.4mm	146.2g

FOV-Horizontal Lens Specifications:

		WDR			WDR			WDR	
Part Number	Focal Length	AV1115*	AV2115*	AV2116	AV3115*	AV3116	AV5115	AV3236	AV11015
Fixed Focal									
UHD7.2	7.2mm	30.4°	44.4°	-	35.3°	-	44.2°	-	47°
M118FM08	8mm	27.2	40.8	-	31.8	-	40.3	-	41°
M118FM16	16mm	13.7	20.5	-	16.0	-	20.3	-	20.8°
JHF25M-5MP	25mm	8.8	13.2	-	10.3	-	13	-	14.6
JHF35M-5MP	35mm	6.3	9.4	-	7.3	-	9.3	-	10.5
Vari-Focal									
UHD45-10	Wide @ 4.5mm	46.6°	71.2°	-	55°	-	70.4°	-	75.7°
	Tele @ 10mm	22.4°	33.6°	-	26.2°	-	33.2°	-	35.7°
UHD45-10AI	Wide @ 4.5mm	46.6°	71.2°	-	55°	-	70.4°	-	75.7°
	Tele @ 10mm	22.4°	33.6	-	26.2	-	33.2	-	35.7°

* Not Recommended

"-" Not Compatible

Fixed Focal Lens Options

UHD7.2



25mm

Ø 30mm

Arecont 7.2mm

1/2.3"

F2.4

CS-mount

IR Corrected

M118FM08



27.3mm

Ø 29mm

8mm

1/1.8"

F1.4

C-mount

M118FM16



24.1mm

Ø 29mm

16mm

1/1.8"

F1.4

C-mount

JHF25M-5MP



48mm

Ø 51mm

25mm

2/3"

F1.4

C-mount

JHF35M-5MP



62mm

Ø 51mm

35mm

2/3"

F1.4

C-mount

Vari-Focal Lens Options

UHD45-10



61mm

Ø 40mm

Arecont 4.5-10mm

1/2.3"

F1.8

CS-mount

IR Corrected

UHD45-10AI



61.4mm

Ø 40mm

Arecont 4.5-10mm

1/2.3"

F1.8

CS-mount

IR Corrected

DC Auto Iris