

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

Part Number	Focal Length	AV1115*	AV2115*	AV2116	AV3115*	AV3116	AV5115	AV3236	AV10115
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 Ø 30mm 25mm  Arecont 7.2mm 1/2.3" F2.4 CS-mount IR Corrected	M118FM08 Ø 29mm 27.3mm  8mm 1/1.8" F1.4 C-mount	M118FM16 Ø 29mm 24.1mm  16mm 1/1.8" F1.4 C-mount
JHF25M-5MP Ø 51mm 48mm  25mm 2/3" F1.4 C-mount	JHF35M-5MP Ø 51mm 62mm  35mm 2/3" F1.4 C-mount	

Vari-Focal Lens Options

UHD45-10 Ø 40mm 61mm  Arecont 4.5-10mm 1/2.3" F1.8 CS-mount IR Corrected	UHD45-10AI Ø 40mm 61.4mm  Arecont 4.5-10mm 1/2.3" F1.8 CS-mount IR Corrected DC Auto Iris	
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