

MPL Megapixel Lenses

Fixed Focal and Vari-Focal Megapixel Lenses for MegaVideo® Series Cameras



For Use with 1.3MP to 5MP MegaVideo® Compact IP Cameras

In comparison with traditional security lenses, Arecont Vision MPL Lenses have these advantages:

- Larger Aperture
- Higher Sharpness
- Lower Distortion
- Less Chrome Aberration
- Better Relative Illumination
- Compact Dimension
- CS Mount
- Different Optical Format Options

Lens Specifications

Part Number	Focal Length	Optical Format	Mount	Aperture	Iris Range	IR Corrected	Dimensions in mm	Weight
Fixed Focal								
MPL1.55	1.55mm	1/2"	CS	F2.0	Fixed	Yes	ø 30 x 20.4mm	34.1g
MPL3.5	3.5mm	1/2.5"	CS	F1.8	Fixed	Yes	ø 30 x 15.6mm	38.7g
MPL4.0	4.0mm	1/2"	CS	F1.8	Fixed	Yes	ø 30 x 17.5mm	40.2g
MPL6.0	6.0mm	1/2"	C	F1.4	Manual	No	ø 32 x 37.5mm	65g
MPL6.2	6.2mm	1/2.5"	CS	F1.8	Fixed	Yes	ø 32 x 20mm	14.4g
MPL8.0	7.8mm	1/2"	CS	F1.8	Fixed	Yes	ø 32 x 19mm	39.0g
Vari-Focal								
MPL2.8-8.5MPI	2.8-8.5mm	1/3"	CS	F1.2	P-iris	Yes	ø 57 x 31.65mm	73.4g
MPL3.3-8.5MPI	3.3-8.5mm	1/2.5"	CS	F1.3	P-iris	Yes	ø 57 x 31.65mm	73.4g
MPL33-11AI	3.3-10.5mm	1/2.5"	CS	F1.4	DC Iris	Yes	ø 32 x 41mm	48g
MPL33-12A	3.3-10.5mm	1/2.5"	CS	F1.4	Manual	Yes	ø 33 x 41.7mm	38g
MPL4-10	4.5-10mm	1/2"	CS	F1.6	Manual	Yes	ø 33 x 39.7mm	80.5g
MPL8-16	8-16mm	1/2"	CS	F1.6	Manual	Yes	ø 33 x 47.2mm	89.9g
MPL4-12	4-12mm	1/2"	CS	F1.4	Manual	Yes	ø 33 x 45.8mm	85.2g
MPL12-40	12-40mm	1/2"	CS	F1.8	Manual	Yes	ø 33 x 51.5mm	96.1g
MPL12-40AI	12-40mm	1/2"	CS	F1.8	DC Iris	Yes	ø 33 x 51.5mm	99.1g

FOV-Horizontal Lens Specifications

Part Number	Focal Length	AV1115	AV1215	AV2115	AV2215	AV2116	AV2216	AV3115	AV3215	AV3116	AV3216	AV3236	AV5115	AV5215	AV11015
Fixed Focal															
MPL1.55	1.55mm	146°	-	180°	-	-	-	176°	-	-	-	-	180°	-	-
MPL3.5	3.5mm	65°	-	96.8°	-	-	-	75.6°	-	75.6°	-	75.6°	95.6°	-	-
MPL4.0	4.0mm	55.5°	-	83°	-	-	-	65°	-	-	-	-	82°	-	-
MPL6.0	6.0mm	33.3°	-	49.8°	-	-	-	39°	-	-	-	-	49.2°	-	-
MPL6.2	6.2mm	33°	-	48°	-	-	-	38.4°	-	38.4°	-	38.4°	47.6°	-	-
MPL8.0	7.8mm	28°	-	41°	-	-	-	32.4°	-	-	-	-	40.5°	-	-
Vari-Focal															
MPL2.8-8.5MPI	Wide @ 2.8mm	-	102°	-	86°	-	86°	-	94°	-	94°	-	-	-	-
	Tele @ 8.5mm	-	34°	-	30°	-	30°	-	32°	-	32°	-	-	-	-
MPL3.3-8.5MPI	Wide @ 3.3mm	-	-	-	-	-	-	-	-	-	-	-	-	95°	-
	Tele @ 8.5mm	-	-	-	-	-	-	-	-	-	-	-	-	41°	-
MPL33-11AI	Wide @ 3.3mm	64°	-	98°	-	-	-	75°	-	-	-	-	95°	-	-
	Tele @ 10.5mm	22°	-	32°	-	-	-	25°	-	-	-	-	32°	-	-
MPL33-12A	Wide @ 3.3mm	64°	-	98°	-	73°	-	75°	-	75°	-	75°	95°	-	-
	Tele @ 10.5mm	22°	-	32°	-	22°	-	25°	-	25°	-	25°	32°	-	-
MPL4-10	Wide @ 4.5mm	47°	-	71.6°	-	-	-	55.2°	-	-	-	-	70.8°	-	-
	Tele @ 10mm	22.6°	-	34°	-	-	-	26.4°	-	-	-	-	33.6°	-	-
MPL8-16	Wide @ 8mm	26.7°	-	40.2°	-	-	-	31.4°	-	-	-	-	40°	-	-
	Tele @ 16mm	14°	-	20.7°	-	-	-	16.3°	-	-	-	-	20.6°	-	-
MPL4-12	Wide @ 4mm	50°	-	76°	-	-	-	59°	-	-	-	-	75.8°	-	-
	Tele @ 12mm	21°	-	31.5°	-	-	-	24.6°	-	-	-	-	31.2°	-	-
MPL12-40	Wide @ 12mm	17.6°	-	26.7°	-	-	-	20.7°	-	-	-	-	26.2°	-	-
	Tele @ 40mm	4.1°	-	9.1°	-	-	-	7.1°	-	-	-	-	9°	-	-
MPL12-40AI	Wide @ 12mm	17.6°	-	26.7°	-	-	-	20.7°	-	-	-	-	26.2°	-	-
	Tele @ 40mm	4.1°	-	9.1°	-	-	-	7.1°	-	-	-	-	9°	-	-

“-” Not Compatible

Fixed Focal Lens Options

MPL 1.55



Arecont 1.55mm
1/2"
F2.0
CS-mount
IR Corrected
Fixed Iris
Fisheye

MPL 3.5



Arecont 3.5mm
1/2.5"
F1.8
CS-mount
IR Corrected
Fixed Iris
Recommended for 5MP Cameras

MPL 4.0



Arecont 4mm
1/1.8"
F1.8
CS-mount
IR Corrected
Fixed Iris

MPL 6.0



Arecont 6mm
1/2"
F1.4
Manual Iris
C-mount

MPL 6.2



Arecont 6.2mm
1/2.5"
F1.8
CS-mount
IR Corrected
Fixed Iris
Recommended for 5MP Cameras

MPL 8.0



Arecont 8mm
1/1.8"
F1.8
CS-mount
IR Corrected
Fixed Iris

Vari-Focal Lens Options

MPL33-11AI

Arecont 3.3-10.5mm
1/2.5"
F1.4
CS-mount
IR Corrected
DC Auto Iris

MPL33-12A

Arecont 3.5-10.5mm
1/2.5"
F1.4
CS-mount
IR Corrected
Replaces MPL33-11 and MPL33-12

MPL4-10

Arecont 4.5-10mm
1/2"
F1.6
CS-mount
IR Corrected

MPL8-16

Arecont 8-16mm
1/2"
F1.6
CS-mount
IR Corrected

MPL4-12

Arecont 4-12mm
1/2"
F1.4
CS-mount
IR Corrected

MPL12-40

Arecont 12-40mm
1/2"
F1.8
CS-mount
IR Corrected

MPL12-40AI

Arecont 12-40mm
1/2"
F1.8
CS-mount
IR Corrected
DC Auto Iris

MPL2.8-8.5MPI / MPL3.3-8.5MPI**MPL2.8-8.5MPI**

Arecont 2.8-8.5mm
1/3"
F1.2
CS-mount
IR Corrected

MPL3.3-8.5MPI

Arecont 3.3-8.5mm
1/2.5"
F1.3
CS-mount
IR Corrected