

MPL Megapixel Lenses

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



For Use with 1.2MP to 5MP MegaVideo® Series IP Cameras

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

- High Quality Optical Glass
- 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	Weight
Fixed Focal								
MPL1.55	1.55mm	1/2"	CS	F2.0	Fixed	Yes	ø 30 (1.18") x 20.4mm (0.80")	34.1g (0.075lbs)
MPL3.5	3.5mm	1/2.5"	CS	F1.8	Fixed	Yes	ø 30 (1.18") x 15.6mm (0.61")	38.7g (0.085lbs)
MPL4.0	4.0mm	1/2"	CS	F1.8	Fixed	Yes	ø 30 (1.18") x 17.5mm (0.68")	40.2g (0.088lbs)
MPL8.0	7.8mm	1/2"	CS	F1.8	Fixed	Yes	ø 32 (1.25") x 19mm (0.74")	39g (0.086lbs)
Vari-Focal								
MPL2.8-8.5MPI	2.8–8.5mm	1/3"	CS	F1.2	P-iris	Yes	ø 57 (2.24") x 31.65mm (1.24")	73.4g (0.16lbs)
MPL3.3-8.5MPI	3.3–8.5mm	1/2.5"	CS	F1.3	P-iris	Yes	ø 57 (2.24") x 31.65mm (1.24")	73.4g (0.16lbs)
MPL33-11AI	3.3–10.5mm	1/2.5"	CS	F1.4	DC iris	Yes	ø 32 (1.25") x 41mm (1.61")	48g (0.10lbs)
MPL33-12A	3.3–12mm	1/2.5"	CS	F1.4	Manual	Yes	ø 33 (1.29") x 41.7mm (1.64")	38g (0.083lbs)
MPL4-10	4.5–10mm	1/2"	CS	F1.6	Manual	Yes	ø 33 (1.29") x 39.7mm (1.56")	80.5g (0.17lbs)
MPL8-16	8–16mm	1/2"	CS	F1.6	Manual	Yes	ø 33 (1.29") x 47.2mm (1.85")	89.9g (0.19lbs)
MPL4-12	4–12mm	1/2"	CS	F1.4	Manual	Yes	ø 33 (1.29") x 45.8mm (1.80")	85.2g (0.18lbs)
MPL12-40	12–40mm	1/2"	CS	F1.8	Manual	Yes	ø 33 (1.29") x 51.5mm (2.02")	96.1g (0.21lbs)
MPL12-40AI	12–40mm	1/2"	CS	F1.8	DC iris	Yes	ø 33 (1.29") x 51.5mm (2.02")	99.1g (0.21lbs)
MPL9-36MPI	9–36mm	1/2.3"	CS	F1.5	P-iris	Yes	ø 66 (2.59") x 49.4mm (1.94")	136.1g (0.30lbs)

FOV-Horizontal Lens Specifications

Part Number	Focal Length	AV1115	AV1215	AV2115	AV2215	AV2116	AV2216	AV3115	AV3215	AV3116	AV3216	AV3236		AV5115	AV5215
Fixed Focal												Day	Night		
MPL1.55	1.55mm	146°	180°	180°	163°	163°	163°	176°	176°	176°	176°	176°	180°	180°	180°
MPL3.5	3.5mm	65°	81°	96.8°	71°	71°	71°	75.6°	76°	75.6°	76°	75.6°	81°	95.6°	95.6°
MPL4.0	4.0mm	55.5°	69°	83°	60°	60°	60°	65°	65°	65°	65°	65°	69°	82°	82°
MPL8.0	7.8mm	28°	34°	41°	30°	30°	30°	32.4°	32°	32°	32°	32°	34°	40.5°	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°	78°	98°	68°	68°	68°	75°	73°	75°	75°	75°	80°	95°	95°
	Tele @ 10.5mm	22°	30°	32°	26°	26°	26°	25°	28°	25°	25°	25°	27°	32°	32°
MPL33-12A	Wide @ 3.3mm	64°	78°	98°	68°	68°	68°	75°	73°	75°	75°	75°	80°	95°	95°
	Tele @ 12mm	22°	30°	32°	26°	26°	26°	25°	28°	25°	25°	25°	27°	32°	32°
MPL4-10	Wide @ 4.5mm	47°	59°	71.6°	52°	52°	52°	55.2°	56°	56°	56°	56°	59°	70.8°	70.8°
	Tele @ 10mm	22.6°	29°	34°	25°	25°	25°	26.4°	27°	27°	27°	27°	29°	33.6°	33.6°
MPL8-16	Wide @ 8mm	26.7°	34°	40.2°	30°	30°	30°	31.4°	32°	32°	32°	32°	34°	40°	40°
	Tele @ 16mm	14°	18°	20.7°	15°	15°	15°	16.3°	17°	17°	17°	17°	18°	20.6°	20.6°
MPL4-12	Wide @ 4mm	50°	63°	76°	55°	55°	55°	59°	59°	59°	59°	59°	63°	75.8°	75.8°
	Tele @ 12mm	21°	27°	31.5°	23°	23°	23°	24.6°	25°	25°	25°	25°	27°	31.2°	31.2°
MPL12-40	Wide @ 12mm	17.6°	22°	26.7°	19°	19°	19°	20.7°	21°	21°	21°	21°	22°	26.2°	26.2°
	Tele @ 40mm	4.1°	5°	9.1°	5°	5°	5°	7.1°	7°	7°	7°	7°	5°	9°	9°
MPL12-40AI	Wide @ 12mm	17.6°	22°	26.7°	19°	19°	19°	20.7°	21°	21°	21°	21°	22°	26.2°	26.2°
	Tele @ 40mm	4.1°	5°	9.1°	5°	5°	5°	7.1°	7°	7°	7°	7°	5°	9°	9°
MPL9-36MPI	Wide @ 9mm	-	6.9°	-	6.1°	-	6.1°	-	6.5°	-	6.5°	-	-	-	8.2°
	Tele @ 36mm	-	31.1°	-	27.1°	-	27.1°	-	29°	-	29°	-	-	-	37°

"-" 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 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 3.3–12mm
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	MPL3.3-8.5MPI
Arecont 2.8–8.5mm	Arecont 3.3–8.5mm
1/3"	1/2.5"
F1.2	F1.3
CS-mount	CS-mount
IR Corrected	IR Corrected

MPL9-36MPI



Arecont 9–36mm
1/2.3"
F1.5
CS-mount
IR Corrected