

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)
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	H-FOV by Camera Model							
		AV1215	AV2215	AV2216	AV3215	AV3216	AV3236		AV5215
Fixed Focal						Day		Night	
MPL1.55	1.55mm	180°	163°	163°	176°	176°	176°	180°	180°
MPL3.5	3.5mm	81°	71°	71°	76°	76°	75.6°	81°	95.6°
MPL4.0	4.0mm	69°	60°	60°	65°	65°	65°	69°	82°
MPL8.0	7.8mm	34°	30°	30°	32°	32°	32°	34°	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	78°	68°	68°	73°	75°	75°	80°	95°
	Tele @ 10.5mm	30°	26°	26°	28°	25°	25°	27°	32°
MPL33-12A	Wide @ 3.3mm	78°	68°	68°	73°	75°	75°	80°	95°
	Tele @ 12mm	30°	26°	26°	28°	25°	25°	27°	32°
MPL4-10	Wide @ 4.5mm	59°	52°	52°	56°	56°	56°	59°	70.8°
	Tele @ 10mm	29°	25°	25°	27°	27°	27°	29°	33.6°
MPL8-16	Wide @ 8mm	34°	30°	30°	32°	32°	32°	34°	40°
	Tele @ 16mm	18°	15°	15°	17°	17°	17°	18°	20.6°
MPL12-40	Wide @ 12mm	22°	19°	19°	21°	21°	21°	22°	26.2°
	Tele @ 40mm	5°	5°	5°	7°	7°	7°	5°	9°
MPL12-40AI	Wide @ 12mm	22°	19°	19°	21°	21°	21°	22°	26.2°
	Tele @ 40mm	5°	5°	5°	7°	7°	7°	5°	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



MPL33-12A



MPL4-10



MPL8-16



MPL12-40



MPL12-40AI



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



MPL9-36MPI



See Next Page for Ordering Information

Model Numbers

Motorized P-Iris ¹	MPL2.8-8.5MPI ² (2.8–8.5mm)	1.2MP	1080p	3MP	
	MPL3.3-8.5MPI (3.3–8.5mm)			5MP	
	MPL9-36MPI (9–36mm)	1.2MP	1080p	3MP	5MP
Manual Vari-Focal	MPL33-11AI (3.3–10.5mm)	1.2MP	1080p	3MP	5MP
	MPL33-12A ² (3.3–12mm)	1.2MP	1080p	3MP	5MP
	MPL4-10 (4.5–10mm)	1.2MP	1080p	3MP	5MP
	MPL8-16 (8–16mm)	1.2MP	1080p	3MP	5MP
	MPL12-40 (12–40mm)	1.2MP	1080p	3MP	5MP
	MPL12-40AI (12–40mm)	1.2MP	1080p	3MP	5MP
	Manual Fixed Focal	MPL1.55 (1.55mm)	1.2MP	1080p	3MP
MPL3.5 ² (3.5mm)		1.2MP	1080p	3MP	5MP
MPL4.0 (4mm)		1.2MP	1080p	3MP	5MP
MPL8.0 (7.8mm)		1.2MP	1080p	3MP	5MP

¹ For use with MegaVideo G5 only

² Recommended for WDR models

Compatible Cameras



MegaVideo® G5

AV1215PM-S AV3215PM-S
 AV2215DN AV3216DN
 AV2215PM-S AV3216PM-S
 AV2216DN AV5215DN
 AV2216PM-S AV5215PM-S
 AV3215DN



MegaVideo® Compact

AV3236DN