

M117VM441012IRCS



Image Size (inch)	1/1.7"	1/1.7"	104-45.8
Focal Length (mm)	4.4-10	Horizontal Angle of View (°)	1/1.8" 96-43
Aperture Ratio	1:1.2		1/2" 84-38.5
Back Focal Length (mm)	6.28-11.64		1/2.3" 80.4-37
Dimensions (Φ×L)mm	33 x 41	Iris	Manual
Mount	CS	Weight (g)	

M117VD441012IRCS



Image Size (inch)	1/1.7"	1/1.7"	104-45.8
Focal Length (mm)	4.4-10	Horizontal Angle of View (°)	1/1.8" 96-43
Aperture Ratio	1:1.2		1/2" 84-38.5
Back Focal Length (mm)	6.28-11.64		1/2.3" 80.4-37
Dimensions (Φ×L×W)mm	33 x 41	Iris	Anto(DC)
Mount	CS	Weight (g)	

Vari-Focal Lenses

for 1/1.7", 1/1.8", 1/2", 1/2.3", 1/2.5"

- Ultra-high resolution up to 5 Mega-pixel or 10 Mega-pixel
- IR-correction for Day & Night surveillance
- Manual, DC auto iris, P-Iris for option
- Compact design for Dome and Box cameras
- Glass elements and metal housing

M118VM1240IRCS



Image Size (inch)	1/1.8"	1/1.8"	33.9-11.5
Focal Length (mm)	12-40	Horizontal Angle of View (°)	1/2" 30.1-10.3
Aperture Ratio	1:1.8		1/2.3" 29-9.9
Back Focal Length (mm)	7.29-9.08		1/2.5" 26.9-9.2
Dimensions (Φ×L)mm	33 x 53	Iris	Manual
Mount	CS	Weight (g)	

M118VD1240IRCS



Image Size (inch)	1/1.8"	1/1.8"	33.9-11.5
Focal Length (mm)	12-40	Horizontal Angle of View (°)	1/2" 30.1-10.3
Aperture Ratio	1:1.8		1/2.3" 29-9.9
Back Focal Length (mm)	7.29-9.08		1/2.5" 26.9-9.2
Dimensions (Φ×L×W)mm	33 x 53	Iris	Anto(DC)
Mount	CS	Weight (g)	

Vari-Focal Lenses

for 1/1.7", 1/1.8", 1/2", 1/2.3", 1/2.5"

- Ultra-high resolution up to 5 Mega-pixel or 10 Mega-pixel
- IR-correction for Day & Night surveillance
- Manual, DC auto iris, P-Iris for option
- Compact design for Dome and Box cameras
- Glass elements and metal housing

M125VM922IRCS



Image Size (inch)	1/2.5"	1/2"	
Focal Length (mm)	9-22	Horizontal Angle of View (°)	1/2.3" 37-15.6
Aperture Ratio	1:1.8		1/3" 30.5-13
Back Focal Length (mm)	6.54-14.1		
Dimensions (Φ×L)mm	30 x 37.2	Iris	Manual
Mount	CS	Weight (g)	61.7

M125VD922IRCS



Image Size (inch)	1/2.5"	1/2"	
Focal Length (mm)	9-22	Horizontal Angle of View (°)	1/2.3" 37-15.6
Aperture Ratio	1:1.8		1/3" 30.5-13
Back Focal Length (mm)	6.51-13.9		
Dimensions (Φ×L×W)mm	32 x 38.1 x 45.6	Iris	Anto(DC)
Mount	CS	Weight (g)	72.6

Model No.	M117VM441012IRCS	M118VM1240IRCS	M125VM816IR	M123VM4510IR	M125VM3410IRCS	M125VM922IRCS
Image Size (inch)	1/1.7"	1/1.8"	1/2"	1/2.3"	1/2.5"	1/2.5"
Focal Length (mm)	4.4-10	12-40	8.0-16	4.5-10	3.4-10	9-22
Aperture Ratio	1:1.2	1:1.8	1:1.6	1:1.6	1:1.8	1:1.8
Mount	CS	CS	CS	CS	CS	CS
	1/1.7"	104-45.8				
	1/1.8"	96-43	33.9-11.5			
Horizontal Angle of View (°)	1/2"	84-38.5	30.1-10.3	50-26		
	1/2.3"	80.4-37	29-9.9	76.5-36		
	1/2.5"	74.2-34.5	26.9-9.2	40.4-20.8	71-33.6	92-36
	1/3"	60.9-28.8	22.3-7.7	33.6-17.2	59-28	30.5-13
Back Focal Length (mm)	6.28-11.64	7.29-9.08	7.81-12.1	7.3-12.13	6.99-13.25	6.54-14.1
Dimensions (Φ×L)mm	33 x 41	33 x 53	33 x 47.2	40.8 x 61.4	30.5 x 33.4	30 x 37.2
Iris	Manual	Manual	Manual	Manual	Manual	Manual
Weight (g)		89.9		174.1	60.1	61.7

Model No.	M117VD441012IRCS	M117VD451016IRCS	M118VD441012IRCS	M118VD1240IRCS	M125VD816IR	M123VD4510IR	M125VD3410IRCS	M125VD922IRCS
Image Size (inch)	1/1.7"	1/1.7"	1/1.8"	1/1.8"	1/2"	1/2.3"	1/2.5"	1/2.5"
Focal Length (mm)	4.4-10	4.5-10	4.4-10	12-40	8.0-16	4.5-10	3.4-10	9-22
Aperture Ratio	1:1.2	1:1.6	1:1.2	1:1.8	1:1.6	1:1.8	1:1.6	1:1.8
Mount	CS	CS	CS	CS	CS	CS	CS	CS
	1/1.7"	104-45.8						
	1/1.8"	96-43	101.3-43.4	33.9-11.5				
Horizontal Angle of View (°)	1/2"	84-38.5	87.9-37.8	88.1-38.8	44-24			
	1/2.3"	80.4-37	84.1-36.6	84.1-37.3	29-9.9	76.5-36		
	1/2.5"	74.2-34.5	77.8-34.7	26.9-9.2	40.4-20.8	71-33.6	92-36	37-15.6
	1/3"	60.9-28.8	63.8-28.3	22.3-7.7	33.6-17.2	59-28	75.2-29.8	30.5-13
Back Focal Length (mm)	6.28-11.64	7.24-12.65	8.35-14.45	7.29-9.08	7.81-12.1	7.3-12.13	6.99-13.25	6.54-14.1
Dimensions (Φ×L)mm	33 x 41	36 x 45.5	33 x 53	32 x 47.2	40 x 61.4	33 x 33.87	32 x 38.1	
Iris	Anto(DC)	Anto(DC)	Anto(DC)	Anto(DC)	Anto(DC)	Anto(DC)	Anto(DC)	Anto(DC)
Weight (g)				84.5	146.2	68.5		72.6

M127VM3312IRCS



Image Size (inch)	1/2.7"	Horizontal Angle of View (°)	1/2.5"
Focal Length (mm)	3.3-12		1/2.7"
Aperture Ratio	1:1.8		1/2.8"
Back Focal Length(mm)	6.81-13.95		1/3"
Dimensions (Φ×L)mm	32 x 43	Iris	Manual
Mount	CS	Weight (g)	76.4

Vari-Focal Lenses
for 1/2.7", 1/2.8", 1/3"

- Multi-mega pixels up to 3MP
- IR-correction for Day & Night surveillance
- Manual, DC auto iris, P-Iris for option

M127VM550IRCS



coming soon

Image Size (inch)	1/2.7"	Horizontal Angle of View (°)	1/2.5"
Focal Length (mm)	5-50		1/2.7"
Aperture Ratio	1:1.8		1/2.8"
Back Focal Length(mm)	7.84-14.54		1/3"
Dimensions (Φ×L)mm	57 x 97.4	Iris	Manual
Mount	CS	Weight (g)	

M127VD3312IRCS



Image Size (inch)	1/2.7"	Horizontal Angle of View (°)	1/2.5"
Focal Length (mm)	3.3-12		1/2.7"
Aperture Ratio	1:1.8		1/2.8"
Back Focal Length(mm)	6.81-13.95		1/3"
Dimensions (Φ×L×W)mm	34 x 43 x 45.6	Iris	Auto(DC)
Mount	CS	Weight (g)	77

Vari-Focal Lenses
for 1/2.7", 1/2.8", 1/3"

- Multi-mega pixels up to 3MP
- IR-correction for Day & Night surveillance
- Manual, DC auto iris, P-Iris for option

M127VD550IRCS



Image Size (inch)	1/2.7"	Horizontal Angle of View (°)	1/2.5"
Focal Length (mm)	5-50		1/2.7"
Aperture Ratio	1:1.8		1/2.8"
Back Focal Length(mm)	7.84-14.54		1/3"
Dimensions (Φ×L×W)mm	57 x 97.4 x 65	Iris	Auto(DC)
Mount	CS	Weight (g)	72.3

M13VD2812IR



Image Size (inch)	1/3"	Horizontal Angle of View (°)	1/2.5"
Focal Length (mm)	2.8-12		1/2.7"
Aperture Ratio	1:1.4		1/2.8"
Back Focal Length(mm)	7.8-16.7		1/3"
Dimensions (Φ×L×W)mm	45 x 60.7 x 51.6	Iris	Auto(DC)
Mount	CS	Weight (g)	127.4

M13VM2812IR



Image Size (inch)	1/3"	Horizontal Angle of View (°)	1/2.5"
Focal Length (mm)	2.8-12		1/2.7"
Aperture Ratio	1:1.4		1/2.8"
Back Focal Length(mm)	7.8-16.7		1/3"
Dimensions (Φ×L)mm	40.8 x 60.7	Iris	Manual
Mount	CS	Weight (g)	148.2

Model No.	MV127VM3312IRCS	M127VM550IRCS	M128VM2810IRCS	M13VM2812IR	M13VM550IR
Image Size (inch)	1/2.7"	1/2.7"	1/2.8"	1/3"	1/3"
Focal Length (mm)	3.3-12	5-50	2.8-10	2.8-12	5.0-50
Aperture Ratio	1:1.8	1:1.8	1:1.6	1:1.4	1:1.6
Mount	CS	CS	CS	CS	CS
Horizontal Angle of View (°)	1/2.5"				
	96-30.3	57-6.8			
	1/2.7"		94.2-32.1		
	93-30	55.8-6.6			
	1/2.8"		85.5-29.4	94-25	50-5.7
	83-27	51-6			
Back Focal Length (mm)	6.81-13.95	7.84-14.54	6.52-13.4	7.8-16.7	7.57-11.87
Dimensions (Φ×L)mm	32 x 43	57 x 97.4	30 x 36.2	40.8 x 60.7	45 x 65.4
Iris	Manual	Manual	Manual	Manual	Manual
Weight (g)	76.4			148.2	163.5

Model No.	MV127VD3312IRCS	M127VD550IRCS	M128VD2810IRCS	M13VD2812IR	M13VD550IR
Image Size (inch)	1/2.7"	1/2.7"	1/2.8"	1/3"	1/3"
Focal Length (mm)	3.3-12	5-50	2.8-10	2.8-12	5.0-50
Aperture Ratio	1:1.8	1:1.8	1:1.6	1:1.4	1:1.6
Mount	CS	CS	CS	CS	CS
Horizontal Angle of View (°)	1/2.5"				
	96-30.3	57-6.8			
	1/2.7"		94.2-32.1		
	93-30	55.8-6.6			
	1/2.8"		85.5-29.4	94-25	50-5.7
	83-27	51-6			
Back Focal Length (mm)	6.81-13.95	7.84-14.54	6.52-13.4	7.8-16.7	7.57-11.87
Dimensions (Φ×L×W)mm	34 x 43 x 45.6	57 x 97.4 x 65	33 x 36.47 x 45.5	45 x 60.7 x 51.6	45 x 65.4 x 51.6
Iris	Auto(DC)	Auto(DC)	Auto(DC)	Auto(DC)	Auto(DC)
Weight (g)	77			127.4	168

MZ117BP451016ICRD19



Image Size (inch)	1/1.7"	Horizontal Angle of View (°)	1/1.7"	100-45
Focal Length (mm)	4.5 - 10		1/1.8"	88-38
Aperture Ratio	1:1.6		1/2.3"	84.1-36.6
Back Focal Length (mm)	7.24-12.65		1/2.5"	77.8-34
Dimensions (Φ×L×W)mm	30.2×39.7×62.33	Iris		P - iris
Mount	Φ19	Weight (g)		

MZ13BP2885ICRD14



Image Size (inch)	1/3"	Horizontal Angle of View (°)	1/2.5"	
Focal Length (mm)	2.8 - 8.5		1/2.7"	
Aperture Ratio	1:1.2		1/2.8"	
Back Focal Length (mm)	5.18-11.87		1/3"	102-34
Dimensions (Φ×L×W)mm	28×30.1×48.5	Iris		P - iris
Mount	Φ14	Weight (g)		35.6

Motorized Zoom and Focus Lenses

- Ultra-high resolution up to 10 Mega-pixel
- Remote control of zoom and focus
- Compact design popular for Dome and Bullet
- IR-correction for Day & Night surveillance
- Iris Option: Fixed, Auto(DC) P-iris

M123BD3510ICRD14



Image Size (inch)	1/2.3"	Horizontal Angle of View (°)	1/2.3"	105.3-37.1
Focal Length (mm)	3.5-10		1/2.5"	96.6-34.6
Aperture Ratio	1:1.6		1/2.7"	89-32.4
Back Focal Length (mm)	5.25-11.59		1/2.8"	86.4-31.5
Dimensions (Φ×L)mm	28×34.7	Iris		DC A/with ICR
Mount	Φ14	Weight (g)		

M127BF286IR



Image Size (inch)	1/2.7"	Horizontal Angle of View (°)	1/2.5"	
Focal Length (mm)	2.8-6.0		1/2.7"	101-51
Aperture Ratio	1:2.0		1/2.8"	99-50
Back Focal Length (mm)	4.27-6.95		1/3"	92-47.4
Dimensions (Φ×L)mm	21 x 16.25	Iris		Fixed
Mount	M12×0.5	Weight (g)		12.1

Vari-Focal Lenses

- Multi-mega pixels lens
- Compact design for Dome & Bullet cameras
- IR-correction for Day & Night surveillance
- Iris Option: Fixed, Auto(DC) drive

* D19 mount for option

Model No.	MZ117F30120C	MZ117BP441012ICRD19	MZ117BP451016ICRD19	MZ118BP1240ICRD19	MZ123BP351016ICRD14
Image Size (inch)	1/1.7"	1/1.7"	1/1.7"	1/1.8"	1/2.3"
Focal Length (mm)	30-120	4.4-10	4.5-10	12-40	3.5-10
Aperture Ratio	1:2.2	1:1.2	1:1.6	1:1.8	1:1.6
Mount	C	Φ19	Φ19	Φ19	Φ14
Horizontal Angle of View (°)	1/1.7"	13.8-3.7	104-45.8	100-45	
	1/1.8"	13-3.5	96-43	88-38	33.9-11.5
	1/2.3"	11.1-3.0	80-4-37	84.1-36.6	29-9.9
	1/2.5"	10.4-2.8	74.2-34.5	77.8-34	26.9-9.2
	1/2.7"	9.7-2.6	68.6-32	72-31.8	25-8.6
Back Focal Length (mm)	11.6 - 18.8	6.28 - 11.64	7.24-12.65	7.29 - 9.08	5.25-11.59
Dimensions (Φ×W×L)mm	70 x 141 x 96.5	30.2 x 40.2 x 62.33	30.2 x 39.7 x 62.33	33 x 52.69 x 48.5	28 x 34.7 x 48.5
Iris	P - iris	P - iris	P - iris	P - iris	P - iris
ICR		ICR	ICR	ICR	ICR
Weight (g)					

Model No.	MZ125BP1022ICRD14	MZ127BF286ICR	MZ128BP281016ICRD14	MZ13BP2810ICRD14	MZ13BP2885ICRD14
Image Size (inch)	1/2.5"	1/2.7"	1/2.8"	1/3"	1/3"
Focal Length (mm)	10 - 22	2.8-6.0	2.8 - 10	2.8-10	2.8 - 8.5
Aperture Ratio	1:2.1	1:1.6	1:1.6	1:1.3	1:1.2
Mount	Φ14	M12×0.5	Φ14	Φ14	Φ14
Horizontal Angle of View (°)	1/2.5"	31.2 - 15.6			
	1/2.7"	29 - 14.6			
	1/2.8"	28 - 14.2			
	1/3"	25 - 13			
Back Focal Length (mm)	7.56 - 14.1	4.27-6.95	6.23 - 12.79	4.99-13.26	5.18-11.87
Dimensions (Φ×L×W)mm	29 × 39.59×48.5		28 × 33.7×48.5	28 × 34.7×48.5	28 × 30.1×48.5
Iris	P - iris	Fixed	P - iris	P - iris	P - iris
ICR	ICR	ICR	ICR	ICR	ICR
Weight (g)	46.2				35.6

M13BD2810ICRD14



Image Size (inch)	1/3"	Horizontal Angle of View (°)	1/2.5"	
Focal Length (mm)	2.8-10		1/2.7"	
Aperture Ratio	1:1.3		1/2.8"	
Back Focal Length (mm)	4.99-13.26		1/3"	100-28.8
Dimensions (Φ×L)mm	28×34.7	Iris		DC A/with ICR
Mount	Φ14	Weight (g)		

Model No.	M123BD3510ICRD14	M128BD2810ICRD14	M13BD2810ICRD14	M13BD2885ICRD14	M127BF286IR
Image Size (inch)	1/2.3"	1/2.8"	1/3"		1/2.7"
Focal Length (mm)	3.5-10	2.8-10	2.8-10	2.8-8.5	2.8-6.0
Aperture Ratio	1:1.6	1:1.6	1:1.3	1:1.2	1:2.0
Mount	Φ14	Φ14	Φ14	Φ14	M12×0.5
Horizontal Angle of View (°)	1/2.3"	105.3-37.1			
	1/2.5"	96.6-34.6			
	1/2.7"	89-32.4			
	1/2.8"	86.4-31.5			
	1/3"	78.2-28.9			
Back Focal Length (mm)	5.25-11.59	6.23 - 12.79	4.99-13.26	5.18-11.87	4.27-6.95
Dimensions (Φ×L)mm	28 x 34.7	28 × 33.7	28 x 34.7	28 × 30.1	21 x 16.25
Iris	DC A/I with ICR	DC A/I with ICR	DC A/I with ICR	DC A/I with ICR	Fixed
Weight (g)					12.1