

SC Series

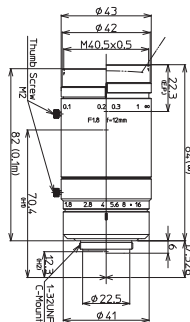
High Resolution FA/MV Lenses

Features of SC Series

- ▶ Large image size of $\Phi 16\text{mm}$ (C-mount).
- ▶ Able to maintain a sharp image with high resolution and contrast from the center to the corners of an image (less degradation of corner resolution).
- ▶ High precision aspherical lens greatly reduces distortion and creates a short minimum object distance.
- ▶ Kowa's wide-band multi-coating effectively decreases glare and refraction and produces a high transmission from the visible to NIR wavelength range.



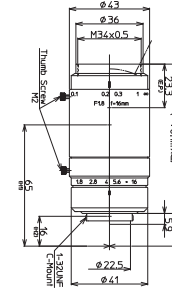
LM12SC



Model	LM12SC
Focal Length(mm)	12
Image Size(mm)	12.8×9.6(Φ16)
Iris Range(F-stop)	F1.8-F16
Focusing Range(m)	0.1-∞
Control Iris	Manual
Focus	Manual
Shooting Range at M.O.D.(mm)	125.5(H)×93.5(V)
Angle of View (Degrees)	1 Inch 55.9×43.1 2/3 Inch 39.8×30.2 1/1.8 Inch 32.9×24.9
Resolution(Center, Corner)	160lp/mm, 120lp/mm
TV Distortion(%)	-0.55
Back Focus in Air(mm)	13.0
Mount	C-mount
Filter Thread(mm)	M40.5×P0.5
Size(mm)	Φ43×84.0
Weight(g)	255
Temperature Range	-10°C→+50°C

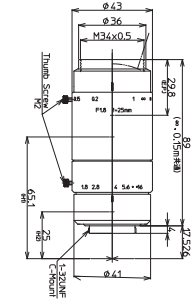
1" 2/3" 1/1.8" 12mm FIXED GMEGA+ C-mnt METAL LO-DIS FLOAT XD WBMC

LM16SC



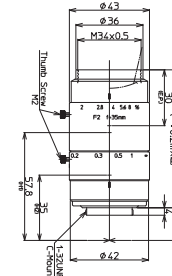
1" 2/3" 1/1.8" 16mm FIXED GMEGA+ C-mnt METAL LO-DIS FLOAT XD WBMC

LM25SC



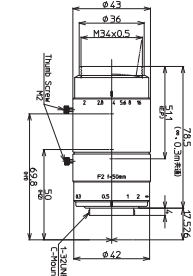
1" 2/3" 1/1.8" 25mm FIXED GMEGA+ C-mnt METAL LO-DIS FLOAT XD WBMC

LM35SC



1" 2/3" 1/1.8" 35mm FIXED GMEGA+ C-mnt METAL LO-DIS FLOAT XD WBMC

LM50SC



1" 2/3" 1/1.8" 50mm FIXED GMEGA+ C-mnt METAL LO-DIS FLOAT XD WBMC

Model	LM16SC	LM25SC	LM35SC	LM50SC
Focal Length(mm)	16	25	35	50
Image Size(mm)	12.8×9.6(Φ16)	12.8×9.6(Φ16)	12.8×9.6(Φ16)	12.8×9.6(Φ16)
Iris Range(F-stop)	F1.8-F16	F1.8-F16	F2.0-F16	F2.0-F16
Focusing Range(m)	0.1-∞	0.15-∞	0.2-∞	0.3-∞
Control Iris	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual
Shooting Range at M.O.D.(mm)	93.5(H)×69.9(V)	86.1(H)×64.4(V)	69.9(H)×52.4(V)	70.1(H)×52.7(V)
Angle of View (Degrees)	1 Inch 44.0×33.6 2/3 Inch 30.9×23.3 1/1.8 Inch 25.5×19.2	28.9×21.8 20.1×15.2 16.5×12.4	20.8×15.6 14.3×10.8 11.7×8.8	14.6×11.0 10.1×7.6 8.3×6.2
Resolution(Center, Corner)	160lp/mm, 120lp/mm	160lp/mm, 120lp/mm	160lp/mm, 120lp/mm	160lp/mm, 120lp/mm
TV Distortion(%)	0.02	-0.34	0.02	0.30
Back Focus in Air(mm)	13.0	24.3	15.2	21.6
Mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)	M34×P0.5	M34×P0.5	M34×P0.5	M34×P0.5
Size(mm)	Φ43×80.0	Φ43×89.0	Φ43×74.0	Φ43×78.5
Weight(g)	240	245	200	210
Temperature Range	-10°C→+50°C	-10°C→+50°C	-10°C→+50°C	-10°C→+50°C

Diagram of M.O.D. / Magnification Using A Close Up Ring

Model	LM12SC	LM16SC	LM25SC	LM35SC	LM50SC
(Non)M.O.D./Magnification	100mm/0.10×	100mm/0.14×	150mm/0.15×	200mm/0.18×	300mm/0.18×
(1mm Ring)M.O.D./Magnification	48mm/0.19×	64mm/0.20×	115mm/0.19×	174mm/0.21×	273mm/0.20×
(5mm Ring)M.O.D./Magnification	-	21mm/0.46×	56mm/0.35×	117mm/0.33×	204mm/0.28×
(10mm Ring)M.O.D./Magnification	-	-	31mm/0.55×	85mm/0.48×	158mm/0.39×
(20mm Ring)M.O.D./Magnification	-	-	12mm/0.96×	58mm/0.77×	115mm/0.59×

† Images may differ from the actual product.

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