

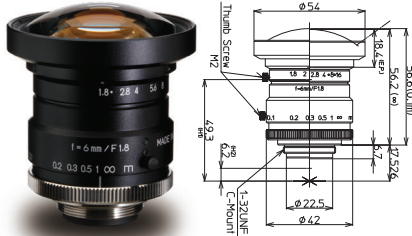
LM6HC LM8HC LM12HC LM16HC LM25HC LM35HC LM50HC LM75HC

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## HC Series

- Wide product range: 8 lenses in HC series
- Excellent corner brightness
- Low distortion
- For large format 1" megapixel applications
- High performance compact lenses

### LM6HC



1" 2/3" 1/1.8" 6mm FIXED MEGA C-mount METAL

### LM8HC



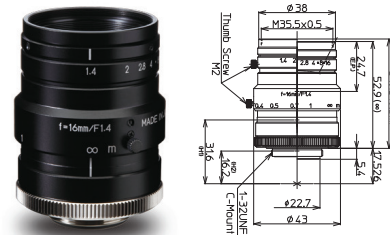
1" 2/3" 1/1.8" 8mm FIXED MEGA C-mount METAL

### LM12HC



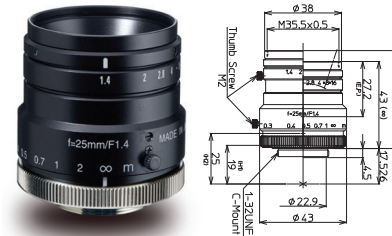
1" 2/3" 1/1.8" 12.5mm FIXED MEGA C-mount METAL

### LM16HC



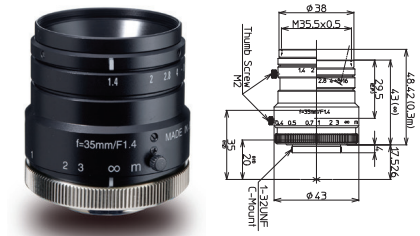
1" 2/3" 1/1.8" 16mm FIXED MEGA C-mount METAL

### LM25HC



1" 2/3" 1/1.8" 25mm FIXED MEGA C-mount METAL

### LM35HC



1" 2/3" 1/1.8" 35mm FIXED MEGA C-mount METAL

### LM50HC



1" 2/3" 1/1.8" 50mm FIXED MEGA C-mount METAL

### LM75HC



1" 2/3" 1/1.8" 75mm FIXED MEGA C-mount METAL

Model	LM6HC	LM8HC	LM12HC	LM16HC
Focal Length(mm)	6	8	12.5	16
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	F1.4-F16	F1.4-F16	F1.4-F16
Focusing Range(m)	0.1-∞	0.1-∞	0.3-∞	0.3-∞
Control Iris	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual
Shooting Range at M.O.D.(mm)	267.4(H)×196.3(V)	196.0(H)×143.2(V)	330.6(H)×243.5(V)	251.5(H)×186.2(V)
Angle of View	96.8°/79.4°	79.4°/63.0°	55.6°/42.5°	44.3°/33.6°
(Degrees)	74.1°/58.0°	58.3°/44.7°	39.1°/29.5°	30.8°/23.2°
Resolution(Center, Corner)	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm
TV Distortion(%)	-0.2	-1.2	-1.2	-1.0
Back Focus in Air(mm)	11.1	11.2	12.6	12.6
Mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)	-	M55×P0.75	M35.5×P0.5	M35.5×P0.5
Size(mm)	Φ54×56.2	Φ57×58	Φ43×51.5	Φ43×52.9
Weight(g)	215	205	160	150
Temperature Range	-10°C→+50°C	-10°C→+50°C	-10°C→+50°C	-10°C→+50°C

Model	LM25HC	LM35HC	LM50HC	LM75HC
Focal Length(mm)	25	35	50	75
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)	F1.4-F16	F1.4-F16	F1.4-F16	F1.8-F16
Focusing Range(m)	0.3-∞	0.3-∞	0.5-∞	1.0-∞
Control Iris	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual
Shooting Range at M.O.D.(mm)	160.7(H)×119.2(V)	110.1(H)×82.0(V)	121.8(H)×91.3(V)	165.5(H)×123.9(V)
Angle of View	29.3×22.0	20.9×15.8	14.5×10.8	9.7×7.3
(Degrees)	1/1.8 Inch	16.5×12.4	8.2×6.2	5.5×4.1
Resolution(Center, Corner)	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm
TV Distortion(%)	-1.0	-0.5	-0.5	-0.2
Back Focus in Air(mm)	16.5	16.8	14.8	14.5
Mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)	M35.5×P0.5	M35.5×P0.5	M40.5×P0.5	M46×P0.75
Size(mm)	Φ43×43	Φ43×43	Φ49×48	Φ49×57
Weight(g)	135	135	210	195
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	LM6HC	LM8HC	LM12HC	LM16HC	LM25HC	LM35HC	LM50HC	LM75HC
(Non)M.O.D./Magnification	100mm/0.05×	100mm/0.07×	300mm/0.04×	300mm/0.05×	300mm/0.08×	300mm/0.12×	500mm/0.11×	1000mm/0.078×
1mm Ring/M.O.D./Magnification	-	-	93mm/0.12×	134mm/0.11×	200mm/0.12×	243mm/0.15×	424mm/0.13×	858mm/0.091×
5mm Ring/M.O.D./Magnification	-	-	-	-	83mm/0.28×	138mm/0.26×	269mm/0.20×	553mm/0.14×
10mm Ring/M.O.D./Magnification	-	-	-	-	-	91mm/0.40×	189mm/0.30×	389mm/0.21×
20mm Ring/M.O.D./Magnification	-	-	-	-	-	-	124mm/0.50×	251mm/0.34×

† Images may differ from the actual product.

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