HC Series

Vertrieb durch:

Polytec GmbH
Polytec Platz 1-7
D-76337 Waldbronn
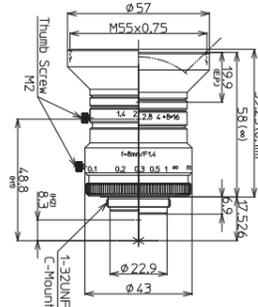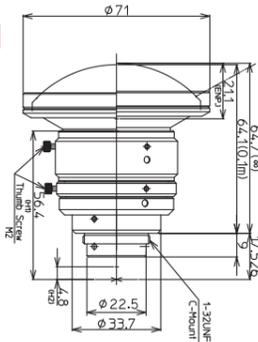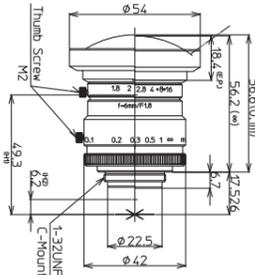
Tel: +49(0)7243 / 604-1800
Fax: +49(0)7243 / 69944
E-Mail:bv@polytec.de
www.polytec.de/bv

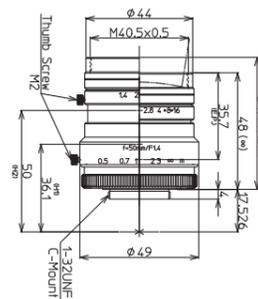| Model	Format Size(Inch)							
	4/3	1.1	1	1/1.2	2/3	1/1.8	1/2	1/3
LM4HC	−	−	✓	✓	✓	✓	✓	✓
LM6HC	−	−	✓	✓	✓	✓	✓	✓
LM8HC	−	−	✓	✓	✓	✓	✓	✓
LM12HC	−	◇	✓	✓	✓	✓	✓	✓
LM16HC	−	◇	✓	✓	✓	✓	✓	✓
LM25HC	−	◇	✓	✓	✓	✓	✓	✓
LM35HC	−	◇	✓	✓	✓	✓	✓	✓
LM50HC	−	◇	✓	✓	✓	✓	✓	✓
LM75HC	−	◇	✓	✓	✓	✓	✓	✓

✓ Compatible   ◇ Suitable   − Incompatible

Features of HC Series

▶ Wide product range: 9 lenses in HC series

▶ Up to 5 megapixels performance

▶ Excellent corner brightness

▶ High performance compact lenses

▶ Low distortion

LM4HC NEW

1" 4.7mm METAL Metal Body

*Optional filter holder can be attached.

LM6HC

1" 6mm METAL Metal Body

LM8HC

1" 8mm METAL Metal Body

LM12HC

1" 12.5mm METAL Metal Body

LM16HC

1" 16mm METAL Metal Body

LM25HC

1" 25mm METAL Metal Body

LM35HC

1" 35mm METAL Metal Body

LM50HC

1" 50mm METAL Metal Body

LM75HC

1" 75mm METAL Metal Body
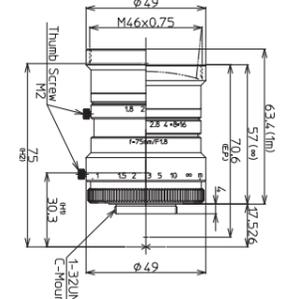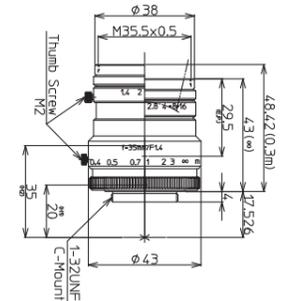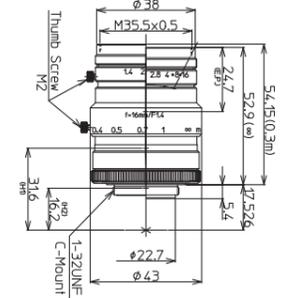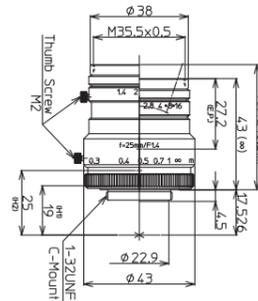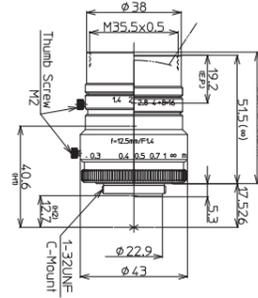
Model	LM4HC	LM6HC	LM8HC
Focal Length(mm)	4.7	6	8
Image Size(mm)	12.8×9.6 (Φ16)	12.8×9.6(Φ16)	12.8×9.6(Φ16)
Iris Range(F-stop)	F2.8~F16	F1.4~F11	F1.4~F16
Focusing Range(m)	0.1~∞	0.1~∞	0.1~∞
Control Iris	Manual	Manual	Manual
Focus	Manual	Manual	Manual
Shooting Range at M.O.D.(mm)	375.6(H)×272.1(V)	267.4(H)×196.3(V)	196.0(H)×143.2(V)
Angle of 1 Inch	112.2×95.4	96.8×79.4	79.4×63.0
View 2/3 Inch	90.0×72.2	74.1×58.0	58.3×44.7
(Degrees) 1/1.8 Inch	77.4×60.8	62.6×48.2	48.5×36.9
Resolution(Center, Corner)	100lp/mm, 50lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm
TV Distortion(%)	-0.58	−0.2	−1.2
Back Focus in Air(mm)	9.0	11.1	11.2
Mount	C-mount	C-mount	C-mount
Filter Thread(mm)	*	−	M55×P0.75
Size(mm)(∞)	Φ71×64.7	Φ54×56.2	Φ57×58
Weight(g)	360	215	205
Temperature Range	−10°C~+50°C	−10°C~+50°C	−10°C~+50°C

*Optional filter holder can be attached.

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

Model	LM4HC	LM6HC	LM8HC	LM12HC	LM16HC	LM25HC	LM35HC	LM50HC	LM75HC
(Non)M.O.D./Magnification	100mm/0.04×	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×

Model	LM12HC	LM16HC	LM25HC	LM35HC	LM50HC	LM75HC
Focal Length(mm)	12.5	16	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)	12.8×9.6(Φ16)	12.8×9.6(Φ16)
Iris Range(F-stop)	F1.4~F16	F1.4~F16	F1.4~F16	F1.4~F16	F1.4~F16	F1.8~F16
Focusing Range(m)	0.3~∞	0.3~∞	0.3~∞	0.3~∞	0.5~∞	1.0~∞
Control Iris	Manual	Manual	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual	Manual	Manual
Shooting Range at M.O.D.(mm)	330.6(H)×243.5(V)	251.5(H)×186.2(V)	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 1 Inch	55.6×42.5	44.3×33.6	29.3×22.0	20.9×15.8	14.5×10.8	9.7×7.3
View 2/3 Inch	39.1×29.5	30.8×23.2	20.2×15.1	14.4×10.8	10.0×7.5	6.7×5.0
(Degrees) 1/1.8 Inch	32.1×24.2	25.3×19.0	16.5×12.4	11.8×8.8	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	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm
TV Distortion(%)	−1.58	−1.0	−1.0	−0.5	0.05	−0.2
Back Focus in Air(mm)	12.6	12.6	16.5	16.8	14.8	14.5
Mount	C-mount	C-mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)	M35.5×P0.5	M35.5×P0.5	M35.5×P0.5	M35.5×P0.5	M40.5×P0.5	M46×P0.75
Size(mm)(∞)	Φ43×51.5	Φ43×52.9	Φ43×43	Φ43×43	Φ49×48	Φ49×57
Weight(g)	160	150	135	135	210	195
Temperature Range	−10°C~+50°C	−10°C~+50°C	−10°C~+50°C	−10°C~+50°C	−10°C~+50°C	−10°C~+50°C

† Images may differ from the actual product.

† Images may differ from the actual product.