

1/2.5" MEGAPIXEL S-MOUNT LENS (3.2μm)

- ▶ Low distortion
- ▶ Wide optical design
- ▶ High transmission from VIS to NIR

Optimized design for machine vision

LM28LF



28mm METAL 10-DIS
Metal Body Low Distortion

LM35LF



35mm METAL 10-DIS
Metal Body Low Distortion

LM50LF



50mm METAL 10-DIS
Metal Body Low Distortion

Model	Format Size(Φ)					
	57.0	51.0	46.0	38.0	35.0	30.0
LM28LF	✓	✓	✓	✓	✓	✓
LM35LF	✓	✓	✓	✓	✓	✓
LM50LF	✓	✓	✓	✓	✓	✓

Model	LM28LF	LM28LF-48	LM35LF	LM35LF-48	LM50LF	LM50LF-48
Focal Length(mm)	28		35		50	
Image Size(mm)	46.0(Φ46)		46.0(Φ46)		46.0(Φ46)	
Iris Range(F-stop)	F2.8~F22		F2.8~F22		F2.8~F22	
Focusing Range(m) (FROM SENSOR)	0.5~∞		0.4~∞		0.4~∞	
Control	Iris Focus		Manual Manual		Manual Manual	
Shooting Range at M.O.D.(mm)	424.3×281.1		239.9×160.3		162.9×108.9	
Angle of View	Full size 4/3 inch 1 inch	64.6×45.8 35.8×27.2 25.3×19.1	53.7×37.2 28.9×21.8 20.3×15.3		39.7×27.1 20.9×15.7 14.6×11.0	
Resolution(Center, Corner)	160lp/mm, 63lp/mm		160lp/mm, 63lp/mm		160lp/mm, 63lp/mm	
TV Distortion(%)	-0.17		-0.15		-0.04	
Flange Back in Air(mm)	46.5	17.5	46.5	17.5	46.5	17.5
Mount	Nikon F-mount TFL-II mount		Nikon F-mount TFL-II mount		Nikon F-mount TFL-II mount	
Filter Thread(mm)	M72×P0.75		M52×P0.75		M52×P0.75	
Size(mm)(∞)	Φ75×98	Φ75×127	Φ57.5×71	Φ57.5×100	Φ57.5×77	Φ57.5×106
Weight(g)	500		430		470	

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- ▶ For industrial 3CCD color line scan camera
- ▶ Ultra high resolution
- ▶ Low chromatic aberration
- ▶ Excellent corner brightness
- ▶ Close up lens is available for close distance applications

CLS Series

Model	Format Size(Φ)					
	57.0	51.0	46.0	38.0	35.0	30.0
LM28CLS	✓	✓	✓	✓	✓	✓
LM35CLS	✓	✓	✓	✓	✓	✓
LM50CLS	✓	✓	✓	✓	✓	✓

LM28CLS



28mm 3CCD METAL
3CCD Camera Metal Body

LM35CLS



35mm 3CCD METAL
3CCD Camera Metal Body

LM50CLS



50mm 3CCD METAL
3CCD Camera Metal Body

Model	LM28CLS	LM35CLS	LM50CLS
Focal Length(mm)	28	35	50
Image Size(mm)	30.0(Φ30)	30.0(Φ30)	30.0(Φ30)
Iris Range(F-stop)	F2.8~F22	F2.8~F22	F2.8~F22
Focusing Range(m) (FROM SENSOR)	0.5~∞	0.5~∞	0.5~∞
Control	Iris Focus	Manual Manual	Manual Manual
Shooting Range at M.O.D.(mm)	317.9(V)	259.1(V)	157.7(V)
Angle of View(Degrees)	55.2(V)	46.1(V)	32.3(V)
Resolution(Center, Corner)	160lp/mm, 63lp/mm	160lp/mm, 63lp/mm	160lp/mm, 63lp/mm
TV Distortion(%)	-0.1	0.06	-0.1
Flange Back in Air(mm)	46.5	46.5	46.5
Mount	Nikon F-mount	Nikon F-mount	Nikon F-mount
Filter Thread(mm)	M72×P0.75	M62×P0.75	M52×P0.75
Size(mm)(∞)	Φ75×108	Φ65×108	Φ58×63.5
Weight(g)	482	480	358

LM3QS28 / 40 / 56 NEW



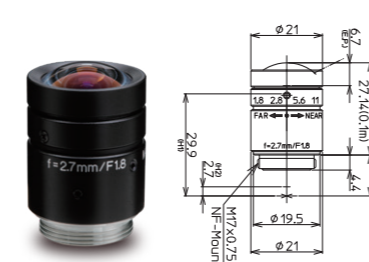
Model	Format Size		
Focal Length(mm)	3		
Image Size	1/2.5		
Iris Range(F-stop)	F2.8	F4	F5.6
Focusing Range(m)	0.1~∞		
Angle of View	1/2.5 inch	86.7×70.6	
(Degrees)	1/2 inch	83.3×58.2	
Resolution(Center, Corner)	160lp/mm, 125lp/mm		
TV Distortion(%)	0.02		
Back Focus in Air(mm)	2.6		
Mount	S-mount (M12×0.5)		
Filter Thread(mm)	M30.5×P0.5	M34×P0.5	M40.5×P0.5
Size(mm)(∞)	Φ16×22.3		
Weight(g)	6		
Temperature Range	-10°C~+50°C		

1/3" NF-MOUNT Compact NF-mt. lens Series

- ▶ Introducing the lineup of megapixel NF-mount lenses. The compact body and high resolution design will maximize the performance of NF-mount camera.

Model	Format Size(Inch)					
	4/3	1.1	1	1/1.2	2/3	1/1.8
LM3NF	✓	✓	✓	✓	✓	✓
LM5NF	✓	✓	✓	✓	✓	✓
LM9NF	✓	✓	✓	✓	✓	✓

LM3NF



1/3" 2.7mm METAL
Metal Body

LM5NF



1/3" 4.5mm METAL
Metal Body

LM9NF



1/3" 9mm METAL
Metal Body

Model	LM3NF	LM5NF	LM9NF
Focal Length(mm)	2.7	4.5	9
Image Size(mm)	4.8×3.6(Φ6)	4.8×3.6(Φ6)	4.8×3.6(Φ6)
Iris Range(F-stop)	F1.8~F11	F1.8~F11	F1.8~F11
Focusing Range(m)	0.1~∞	0.1~∞	0.1~∞
Control	Iris Focus	Manual Manual	Manual Manual
Shooting Range at M.O.D.(mm)	262.7(H)×167.8(V)	122.9(H)×89.9(V)	58.1(H)×43.3(V)
Angle of View(Degrees) 1/3 Inch	102.3×76.7	59.2×45.0	30.2×22.8
Resolution(Center, Corner)	100lp/mm, 60lp/mm	100lp/mm, 60lp/mm	100lp/mm, 60lp/mm
TV Distortion(%)	-7.3	-2.8	-0.6
Back Focus in Air(mm)	7.8	8.1	8.6
Mount	NF-mount	NF-mount	NF-mount
Size(mm)(∞)	Φ21×27	Φ21×31	Φ22×34
Weight(g)	30	35	40
Temperature Range	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C

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† Images may differ from the actual product.