

LINE SCAN

LM28LF LM35LF LM50LF LM28CLS LM35CLS LM50CLS

LF Series

- ▶ Large format (Image size $\Phi 46.0\text{mm}$)
- ▶ Corresponds to 4K Line Scan Camera
- ▶ Low distortion
- ▶ Suitable for close distance inspection

Optimized design for machine vision

LM28LF



LM35LF



LM50LF



28mm FIXED METAL LD-DIS
Fixed Focal Metal Body Low Distortion

35mm FIXED METAL LD-DIS
Fixed Focal Metal Body Low Distortion

50mm FIXED METAL LD-DIS
Fixed Focal Metal Body Low Distortion

Model	LM28LF	LM28LF-48	LM35LF	LM35LF-48	LM50LF	LM50LF-48
Focal Length(mm)	28		35		50	
Image Size(mm)	46.0($\Phi 46$)		46.0($\Phi 46$)		46.0($\Phi 46$)	
Iris Range(F-stop)	F2.8-F22		F2.8-F22		F2.8-F22	
Focusing Range(m)	0.5-∞		0.4-∞		0.4-∞	
Control	Iris Manual		Iris Manual		Iris Manual	
Focus	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 64.6×45.8		53.7×37.2		39.7×27.1	
View (Degrees)	4/3 inch 35.8×27.2		28.9×21.8		20.9×15.7	
1 inch	25.3×19.1		20.3×15.3		14.6×11.0	
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)	$\Phi 75 \times 98$	$\Phi 75 \times 127$	$\Phi 67.5 \times 71$	$\Phi 67.5 \times 100$	$\Phi 57.5 \times 77$	$\Phi 57.5 \times 106$
Weight(g)	500		430		470	

Nikon is a trademark of Nikon Corporation.

CLS Series

- ▶ For industrial 3CCD color line scan camera
- ▶ For use with 30mm length line sensor
- ▶ Close up lens is available for close distance applications
- ▶ Ultra high resolution
- ▶ Low chromatic aberration
- ▶ Excellent corner brightness

LM28CLS



LM35CLS



LM50CLS



28mm FIXED 3CCD METAL
Fixed Focal 3CCD Camera Metal Body

35mm FIXED 3CCD METAL
Fixed Focal 3CCD Camera Metal Body

50mm FIXED 3CCD METAL
Fixed Focal 3CCD Camera Metal Body

Model	LM28CLS	LM35CLS	LM50CLS
Focal Length(mm)	28	35	50
Image Size(mm)	30.0($\Phi 30$)	30.0($\Phi 30$)	30.0($\Phi 30$)
Iris Range(F-stop)	F2.8-F22	F2.8-F22	F2.8-F22
Focusing Range(m)	0.5-∞	0.5-∞	0.5-∞
Control	Iris Manual	Iris Manual	Iris Manual
Focus	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)
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)	$\Phi 75 \times 108$	$\Phi 65 \times 108$	$\Phi 58 \times 63.5$
Weight(g)	482	480	358

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† Images may differ from the actual product.

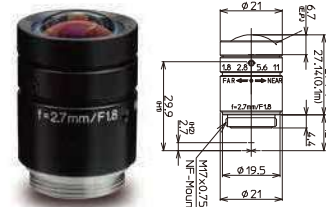
1/3" NF-MOUNT

LM3NF LM5NF LM9NF

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.

LM3NF



1/3" 2.7mm FIXED MEGA NF-MT METAL
Fixed Focal Megapixel NF-mount Metal Body

LM5NF



1/3" 4.5mm FIXED MEGA NF-MT METAL
Fixed Focal Megapixel NF-mount Metal Body

LM9NF



1/3" 9mm FIXED MEGA NF-MT METAL
Fixed Focal Megapixel NF-mount Metal Body

Model	LM3NF
Focal Length(mm)	2.7
Image Size(mm)	4.8×3.6($\Phi 6$)
Iris Range(F-stop)	F1.8-F11
Focusing Range(m)	0.1-∞
Control	Iris Manual
Focus	Manual
Shooting Range at M.O.D.(mm)	262.7(H)×167.8(V)
Angle of View(Degrees) 1/3 Inch	102.3×76.7
TV Distortion(%)	-7.3
Back Focus in Air(mm)	7.8
Mount	NF-mount
Size(mm)	$\Phi 21 \times 27$
Weight(g)	30
Temperature Range	-10°C~+50°C

Model	LM5NF
Focal Length(mm)	4.5
Image Size(mm)	4.8×3.6($\Phi 6$)
Iris Range(F-stop)	F1.8-F11
Focusing Range(m)	0.1-∞
Control	Iris Manual
Focus	Manual
Shooting Range at M.O.D.(mm)	122.9(H)×89.9(V)
Angle of View(Degrees) 1/3 Inch	59.2×45.0
TV Distortion(%)	-2.8
Back Focus in Air(mm)	8.1
Mount	NF-mount
Size(mm)	$\Phi 21 \times 31$
Weight(g)	35
Temperature Range	-10°C~+50°C

Model	LM9NF
Focal Length(mm)	9
Image Size(mm)	4.8×3.6($\Phi 6$)
Iris Range(F-stop)	F1.8-F11
Focusing Range(m)	0.1-∞
Control	Iris Manual
Focus	Manual
Shooting Range at M.O.D.(mm)	58.1(H)×43.3(V)
Angle of View(Degrees) 1/3 Inch	30.2×22.8
TV Distortion(%)	-0.6
Back Focus in Air(mm)	8.6
Mount	NF-mount
Size(mm)	$\Phi 22 \times 34$
Weight(g)	40
Temperature Range	-10°C~+50°C

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