

# LINE SCAN

Φ46.0mm IMAGE SIZE  
Φ30.0mm IMAGE SIZE (3CCD)

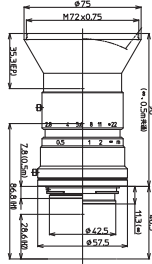
LM28LF LM35LF LM50LF LM28CLS LM35CLS LM50CLS

## LF Series

- ▶ Large format (Image size Φ46.0mm)
- ▶ Low distortion
- ▶ Corresponds to 4K Line Scan Camera
- ▶ Suitable for close distance inspection

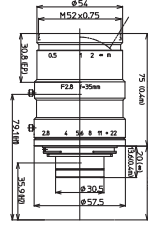
Optimized design for machine vision

### LM28LF



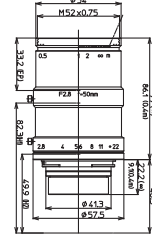
**28mm** **FIXED** **METAL** **LO-DIS**  
Fixed Focal Metal Body Low Distortion

### LM35LF



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

### LM50LF



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

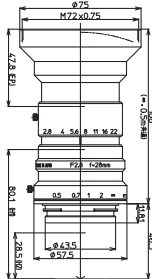
Model	LM28LF	LM28LF-48	LM35LF	LM35LF-48	LM50LF	LM50LF-48
Focal Length(mm)	28		35		50	
Image Size(mm)	46.0(Φ46)		46.0(Φ46)		46.0(Φ46)	
Iris Range(F-stop)	F2.8~F22		F2.8~F22		F2.8~F22	
Focusing Range(m)	0.5~∞		0.4~∞		0.4~∞	
Control Iris	Manual		Manual		Manual	
Control Focus	Manual		Manual		Manual	
Shooting Range at M.O.D.(mm)	424.3×281.1		239.9×160.3		162.9×108.9	
Angle of Full size	64.6×45.8		53.7×37.2		39.7×27.1	
View 4/3 inch	35.8×27.2		28.9×21.8		20.9×15.7	
View (Degrees) 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)	Φ75×98	Φ75×127	Φ57.5×71	Φ57.5×100	Φ57.5×77	Φ57.5×106
Weight(g)	500		430		470	

Nikon is a trademark of Nikon Corporation.

## CLS Series

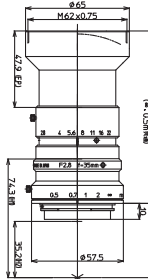
- ▶ For industrial 3CCD color line scan camera
- ▶ For use with 30mm length line sensor
- ▶ Close up lens is available for close distance applications
- ▶ Ultra high resolution
- ▶ Low chromatic aberration
- ▶ Excellent corner brightness

### LM28CLS



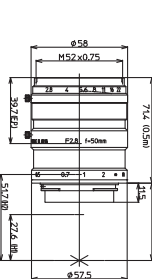
**28mm** **FIXED** **3CCD** **METAL**  
Fixed Focal 3CCD Camera Metal Body

### LM35CLS



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

### LM50CLS



**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(Φ30)	30.0(Φ30)	30.0(Φ30)
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	Manual	Manual
Control 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)	Φ75×108	Φ65×108	Φ58×63.5
Weight(g)	482	480	358

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† Images may differ from the actual product.