



Machine Vision in Focus

GO ULTRA HIGH RES

FC24M



1.1"	24 MP	2.5 μm
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HIGH RESOLUTION 24MP LENS SERIES



Machine Vision in Focus

FC24M

1.1"

24
MP

2.5
µm

GO ULTRA HIGH RES



6.5 mm 8.5 mm 12 mm 16 mm 25 mm 35 mm 50 mm 75 mm 100 mm

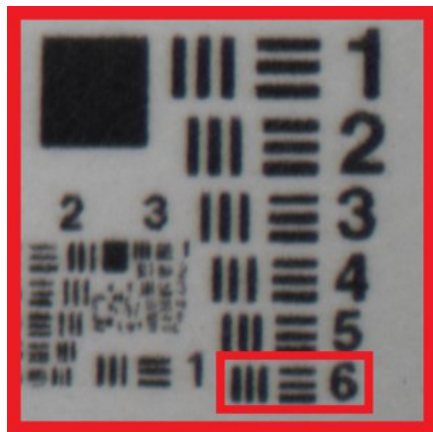
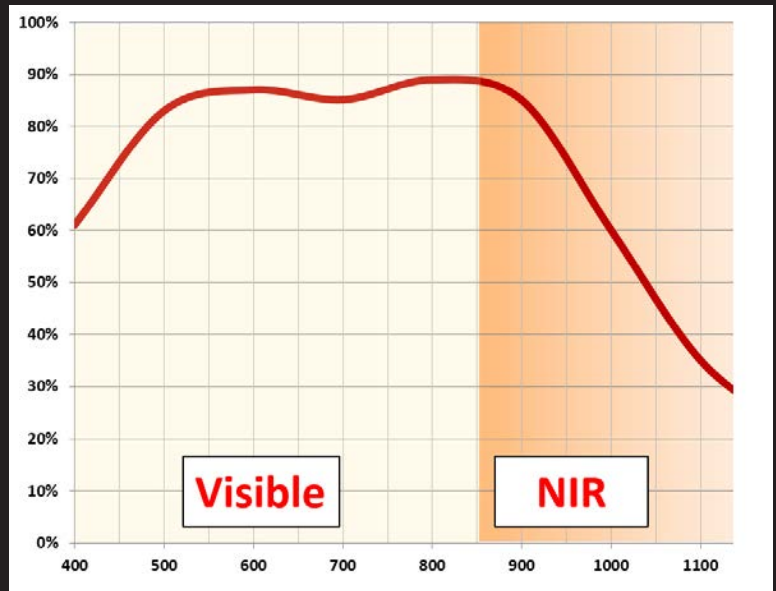
FOR SONY
IMX 183
IMX530/540
IMX531/541
IMX253/304

- > Low distortion and large image size of $\Phi 17.6\text{mm}$
- > Excellent performance from close to infinity working distance
- > Wide-band multi-coating produces transmission from VIS to NIR

MADE IN JAPAN 

WIDE BAND MULTI-COATING

The improved coatings effectively decrease flare and ghost effects and produces a high transmission from the visible to the NIR wavelength.



FC24M



STANDARD LENS

ENHANCED RESOLUTION

Every lens in the FC24M range benefits from strict final inspections with the elimination of manufacturing tolerances, resulting in a lens series boasting superior high resolution performance.

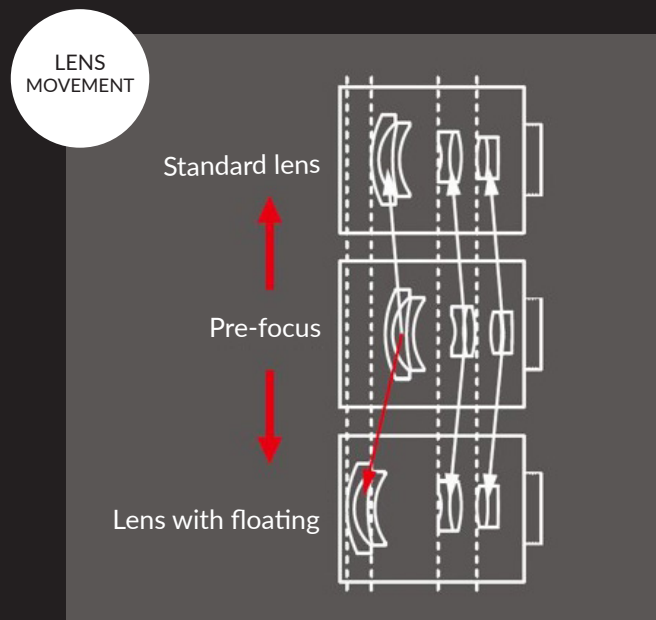
This resolution remains consistently high from close working distances to infinity.

The FC24M series can be used with sensors down to a pixel size of 2.5µm. This makes them suitable for the Sony IMX183, 530/540, 531/541, 253/304 sensors.

FLOATING LENS MECHANISM

A floating lens system dramatically improves focussing precision.

The internal lens groups move separately, optimizing the focus performance from far to near.



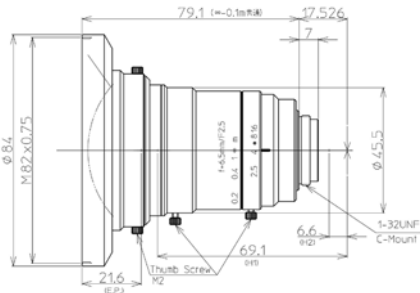


FC24M

1.1"

24 MP

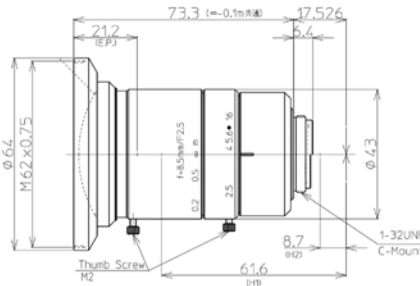
2.5 μ m



LM6FC24M

6.5 mm

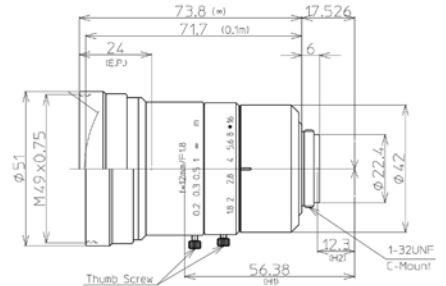
F2.5-F16



LM8FC24M

8.5 mm

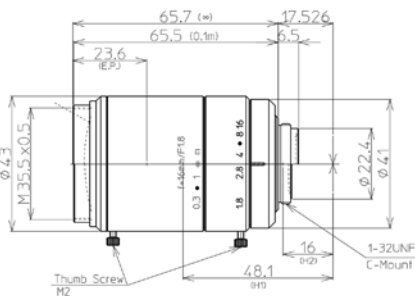
F2.5-F16



LM12FC24M

12 mm

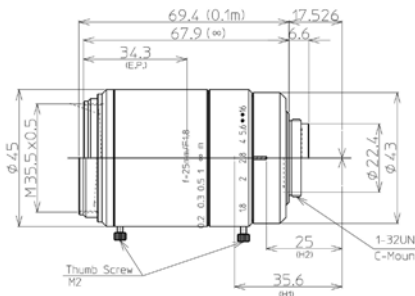
F1.8-F16



LM16FC24M

16 mm

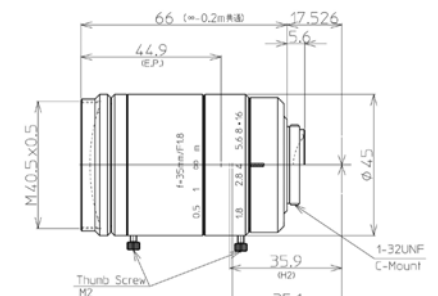
F1.8-F16



LM25FC24M

25 mm

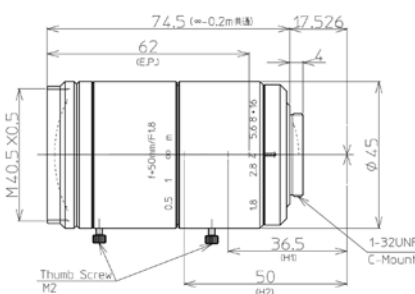
F1.8-F16



LM35FC24M

35 mm

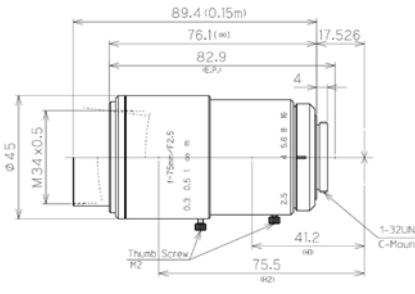
F1.8-F16



LM50FC24M

50 mm

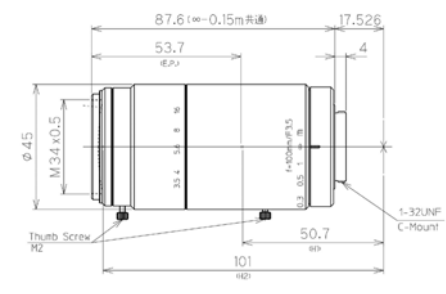
F1.8-F16



LM75FC24M

75 mm

F2.5-F16



LM100FC24M

100 mm

F3.5-F16

Focal Length	Pixel Pitch	Focus Range	Field Angle (Horizontal)	Field Angle (Vertical)	Filter Thread Size (mm)	Operating Temperature
6.5mm	2.5 μ m	0.1m ~ ∞	95.7°	78.7°	M82 x 0.75	-10 ~ +50°C
8.5mm	2.5 μ m	0.1m ~ ∞	79.2°	63.8°	M62 x 0.75	-10 ~ +50°C
12mm	2.5 μ m	0.1m ~ ∞	60.0°	46.9°	M49 x 0.75	-10 ~ +50°C
16mm	2.5 μ m	0.1m ~ ∞	48.0°	36.7°	M35.5 x 0.5	-10 ~ +50°C
25mm	2.5 μ m	0.1m ~ ∞	31.5°	23.9°	M35.5 x 0.5	-10 ~ +50°C
35mm	2.5 μ m	0.2m ~ ∞	22.1°	16.7°	M40.5 x 0.5	-10 ~ +50°C
50mm	2.5 μ m	0.2m ~ ∞	16.1°	12.1°	M40.5 x 0.5	-10 ~ +50°C
75mm	2.5 μ m	0.15m ~ ∞	10.7°	8.0°	M34 x 0.5	-10 ~ +50°C
100mm	2.5 μ m	0.15m ~ ∞	7.9°	6.0°	M34 x 0.5	-10 ~ +50°C