

FL-CC-5MX lenses

Optical performance is equal to other companies' declared 12MP lenses,



NEW!

		FL-CC1218-5MX	FL-CC1618-5MX	FL-CC2518-5MX	FL-CC3524-5MX
Resolution		5 Mega-pixel and over			
Format size		2/3" format			
Focal length		12mm	16mm	25mm	35mm
Maximum aperture ratio		1:1.8			1:2.4
Iris range		1.8~16			2.4~16
Mount		C			
Horizontal angle of view	1/3" format	22.7°	17.1°	11.0°	7.8°
	1/2" format	30.0°	22.7°	14.6°	10.4°
	1/1.8" format	33.6°	25.4°	16.4°	11.7°
	2/3" format	40.5°	30.9°	20.0°	14.3°
Minimum object distance		0.1m			
Back focal length		13.2mm	13.4mm	13.6mm	14.3mm
Filter size		30.5 P=0.5mm			
Dimensions		φ33×47mm		φ33×50mm	φ33×65.5mm
Weight		85g	80g	68g	100g

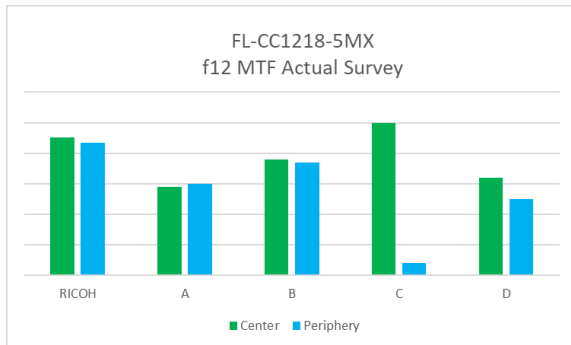
FOV chart,

WD	FL-CC1218-5MX f=12mm F1.8		FL-CC1618-5MX f=16mm F1.8		FL-CC2518-5MX f=25mm F1.8		FL-CC3524-5MX f=35mm F2.4	
	V	H (mm)	V	H (mm)	V	H (mm)	V	H (mm)
100	60.9	× 81.2	47.3	× 63.0	24.0	× 32.0	18.6	× 24.8
125	74.7	× 99.6	57.7	× 76.9	30.6	× 40.8	23.3	× 31.1
150	88.5	× 118	68.1	× 90.8	37.2	× 49.7	28.1	× 37.4
175	102.3	× 136.4	78.5	× 104.7	43.8	× 58.5	32.8	× 43.6
200	116.1	× 154.8	88.9	× 118.5	50.4	× 67.3	37.5	× 49.9
225	129.9	× 173.2	99.2	× 132.3	57.0	× 76.1	42.2	× 56.2
250	143.6	× 191.5	109.6	× 146.1	63.6	× 84.9	46.9	× 62.5
275	157.4	× 209.9	119.9	× 159.9	70.3	× 93.7	51.6	× 68.7
300	171.2	× 228.2	130.3	× 173.7	76.9	× 102.5	56.3	× 75.0
350	198.7	× 265	150.9	× 201.2	90.1	× 120.1	65.7	× 87.5
400	226.3	× 301.7	171.6	× 228.8	103.3	× 137.7	75.1	× 100.1
450	253.7	× 338.3	192.3	× 256.3	116.5	× 155.3	84.5	× 112.6
500	281.3	× 375.1	212.9	× 283.9	129.7	× 172.9	93.9	× 125.1

WD (working distance) is object ~ L1 vertex / There is possibility to move around it. The data is guide simulation, so it depends on the use condition.

✓ JIA S-RANK : High MTF result throughout to the edge

These lenses have a high resolution of over 147 lp/mm from the center to the periphery, that their design satisfies S Rank standards by JIA (Japan Industrial Imaging Association).



lens : 16 mm focal length, Fno.1.8

camera : 2/3 format (3.45 μm × 3.45 μm)

object : bar code on the edge of the captured image

W.D. : 1030 mm

[A] Other company's 5M.

It seems large distortion caused lower MTF result.

[B] Other company's 12M.

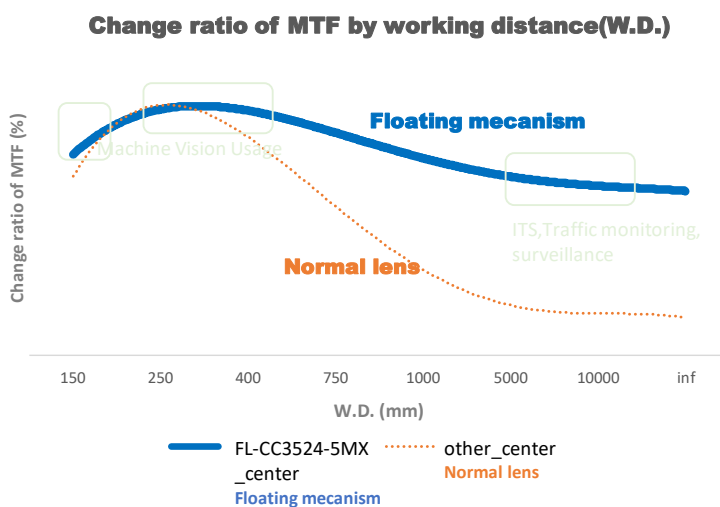
[C] Other company's 5M.

The periphery is very low instead of higher MTF result at center.

[D] Other company's 10M.

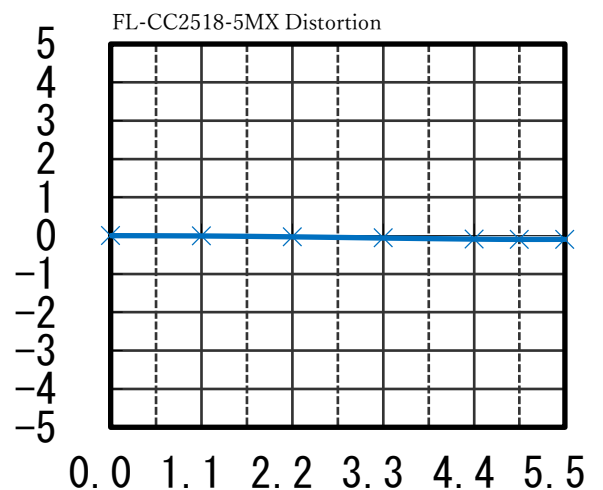
✓ Floating focusing mechanism

From infinity right down to their minimum object distance, demonstrating maximum performance at any magnification



✓ Achieves low distortion

TV distortion is less than 0.1%



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