

# 2 Mega-Pixel Lens (Manual Iris Lens, compatible with 2 mega-pixel cameras)

## Features

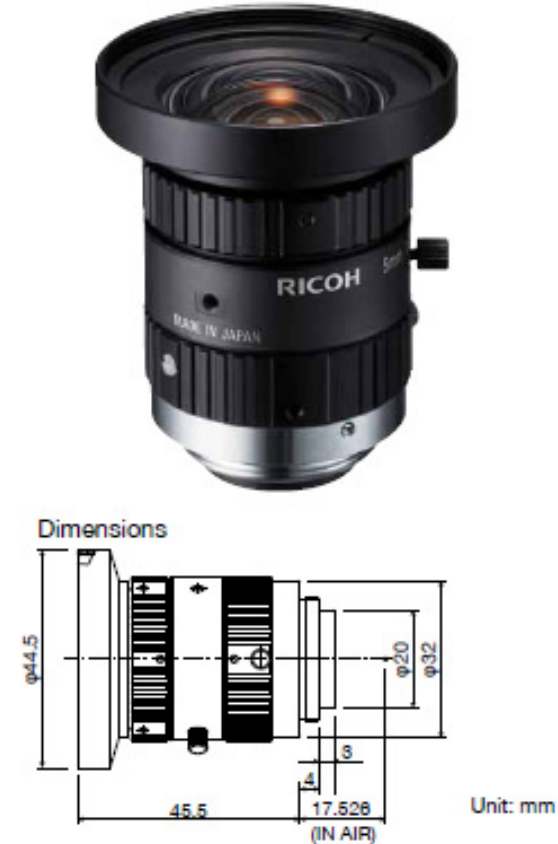
**2 mega-pixel type lenses for a wide range of applications**  
**Select the optimum lens for your focal length and format size requirements**

These manual-iris lenses are your best choice for image processing data capture at 2 mega-pixels. With their compact size and high performance, they deliver great results for high-precision manufacturing inspection (chip mounters, wafers, electronic substrates, etc.).

- High-performance lenses for close-up imaging with 2 mega-pixel CCD and CMOS sensors
- Sharp high resolution, high contrast images, that limit resolution loss from the center to periphery
- With compact size, light weight, and durability, these are excellent lenses for FA and machine vision use
- They greatly reduce distortion that causes problems in image measurement and recognition
- Built to handle environments with vibration, etc. Easy to use, reliable focus and iris locking mechanisms as standard features

## FL-HC0514-2M

Format size	1/2, 1/3" format
Focal length	5 mm
Maximum aperture ratio	1: 1.4



Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	51.4°
	1/2" format	65.5°
	1/1.8" format	-
	2/3" format	-
Minimum object distance		0.1 m
Back focal length		10.8 mm
Filter size		43.0 P=0.75 mm
Dimensions		φ44.5×45.5 mm
Weight		102 g
Remarks		Focus & Iris lock screws

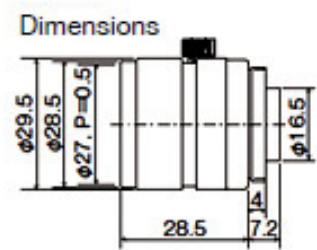
FL-HC0614-2M



Format size		1/2, 1/3" format
Focal length		6 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	44.5°
	1/2" format	57.4°
	1/1.8" format	-
	2/3" format	-
Minimum object distance		0.1 m

Back focal length	12.32 mm
Filter size	-
Dimensions	φ32×37.5 mm
Weight	58 g
Remarks	Focus & Iris lock screws

# FL-HC1214-2M



Unit: mm

Format size	1/2, 1/3" format	
Focal length	12 mm	
Maximum aperture ratio	1: 1.4	
Iris range	1.4-16	
Mount	C	
Horizontal angle of view	1/3" format	21.9°
	1/2" format	28.9°
	1/1.8" format	-
	2/3" format	-
Minimum object distance	0.25 m	
Back focal length	11.50 mm	
Filter size	27 P=0.5 mm	
Dimensions	φ29.5×28.5 mm	
Weight	55 g	
Remarks	Focus & Iris lock screws	

# FL-CC0614A-2M



Format size		2/3" format
Focal length		6 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	42.6°
	1/2" format	55.1°
	1/1.8" format	60.8°
	2/3" format	71.2°
Minimum object distance		0.1 m
Back focal length		10.9 mm
Filter size		-
Dimensions		φ48×59.9 mm
Weight		149 g
Remarks		Focus & Iris lock screws

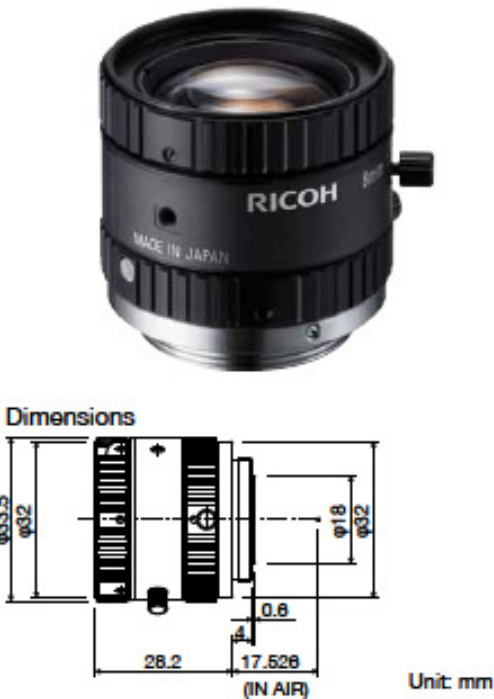
# FL-CC0814A-2M

Format size	2/3" format
Focal length	8 mm



Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	32.6°
	1/2" format	42.7°
	1/1.8" format	47.4°
	2/3" format	56.3°
Minimum object distance		0.1 m
Back focal length		11.1 mm
Filter size		40.5 P=0.5 mm
Dimensions		φ42×36.7 mm
Weight		76 g
Remarks		Focus & Iris lock screws

## FL-CC0814-2M



Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		8 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	32.4°
	1/2" format	42.5°
	1/1.8" format	47.3°
	2/3" format	56.3°

Minimum object distance	0.1 m
Back focal length	13.1 mm
Filter size	30.5 P=0.5 mm
Dimensions	φ33.5×28.2 mm
Weight	63 g
Remarks	Focus & Iris lock screws

# FL-CC1214A-2M



Format size		2/3" format
Focal length		12 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	22.1°
	1/2" format	29.2°
	1/1.8" format	32.7°
	2/3" format	39.4°
Minimum object distance		0.1 m
Back focal length		10.7 mm
Filter size		-
Dimensions		φ29.5×45.7 mm
Weight		72 g
Remarks		Focus & Iris lock screws

# FL-CC1214-2M



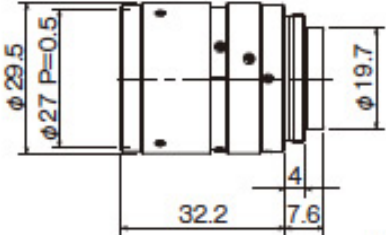
Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		12 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	22.7°
	1/2" format	30.0°
	1/1.8" format	33.5°
	2/3" format	40.4°
Minimum object distance		0.15 mm
Back focal length		13.1 mm
Filter size		30.5 P=0.5 mm
Dimensions		φ33.5×28.2 mm
Weight		62 g
Remarks		Focus & Iris lock screws

# FL-CC1614A-2M

Format size	2/3" format
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Dimensions



Focal length		16 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	17.1°
	1/2" format	22.6°
	1/1.8" format	25.3°
	2/3" format	30.7°
Minimum object distance		0.1 m
Back focal length		10.7 mm
Filter size		27 P=0.5 mm
Dimensions		φ29.5×32.2 mm
Weight		54 g
Remarks		Focus & Iris lock screws

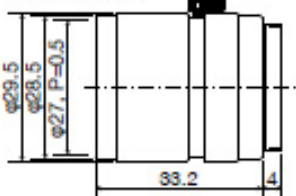
## FL-CC1614-2M

Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		16 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	17.1°
	1/2" format	22.7°
	1/1.8" format	25.5°





Dimensions



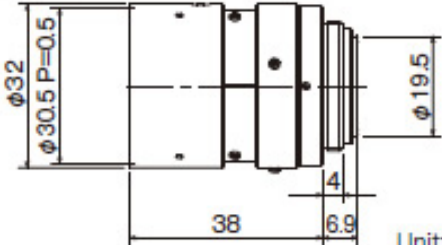
Unit: mm

	2/3" format	31.0°
Minimum object distance		0.25 m
Back focal length		14.61 mm
Filter size		27 P=0.5 mm
Dimensions		φ29.5×33.2 mm
Weight		63 g
Remarks		Focus & Iris lock screws

# FL-CC2514A-2M



Dimensions

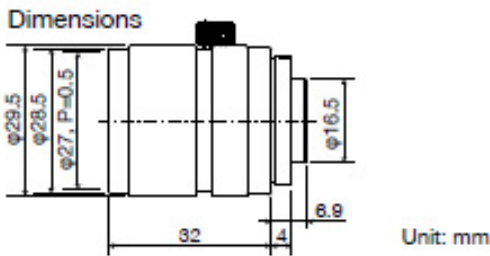


Unit: mm

Format size		2/3" format
Focal length		25 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	10.7°
	1/2" format	14.2°
	1/1.8" format	16.0°
	2/3" format	19.5°
Minimum object distance		0.1 m
Back focal length		12.1 mm
Filter size		30.5 P=0.5 mm
Dimensions		φ32.0×38.0 mm

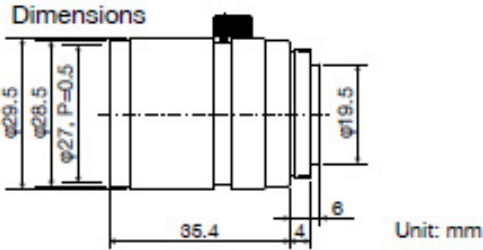
Weight	63 g
Remarks	Focus & Iris lock screws

## FL-CC2514-2M



Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		25 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-16
Mount		C
Horizontal angle of view	1/3" format	11.0°
	1/2" format	14.6°
	1/1.8" format	16.4°
	2/3" format	20.0°
Minimum object distance		0.25 m
Back focal length		11.50 mm
Filter size		27 P=0.5 mm
Dimensions		φ29.5×32 mm
Weight		55 g
Remarks		Focus & Iris lock screws

## FL-CC3516-2M



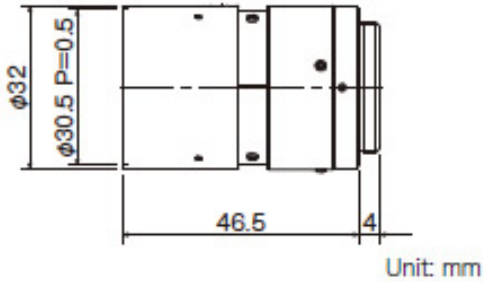
Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		35 mm
Maximum aperture ratio		1:1.6
Iris range		1.6-16
Mount		C
Horizontal angle of view	1/3" format	8.1°
	1/2" format	10.8°
	1/1.8" format	12.1°
	2/3" format	14.8°
Minimum object distance		0.4 m
Back focal length		11.85 mm
Filter size		27 P=0.5 mm
Dimensions		φ29.5×35.4 mm
Weight		64 g
Remarks		Focus & Iris lock screws

FL-CC5024A-2M

Format size		2/3" format
Focal length		50 mm
Maximum aperture ratio		1: 2.4
Iris range		2.4-22
Mount		C



Dimensions

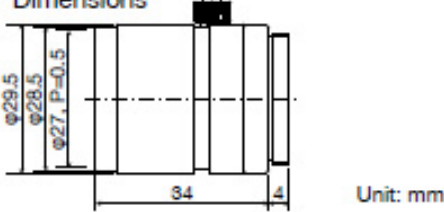


Horizontal angle of view	1/3" format	5.6°
	1/2" format	7.5°
	1/1.8" format	8.4°
	2/3" format	10.3°
Minimum object distance		0.3 m
Back focal length		22.3 mm
Filter size		30.5 P=0.5 mm
Dimensions		φ32.0×46.5 mm
Weight		66 g
Remarks		Focus & Iris lock screws

## FL-CC5028-2M



Dimensions



Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		50 mm
Maximum aperture ratio		1:2.8
Iris range		2.8-22
Mount		C
Horizontal angle of view	1/3" format	5.5°
	1/2" format	7.3°
	1/1.8" format	8.2°
	2/3" format	10.0°
Minimum object distance		0.9 m
Back focal length		21.03 mm
Filter size		27 P=0.5 mm

Dimensions	φ29.5×34 mm
Weight	55 g
Remarks	Focus & Iris lock screws

# FL-CC7528-2M



Format size		2/3, 1/1.8, 1/2, 1/3" format
Focal length		75 mm
Maximum aperture ratio		1: 2.8
Iris range		2.8-32
Mount		C
Horizontal angle of view	1/3" format	3.8°
	1/2" format	5.0°
	1/1.8" format	5.7°
	2/3" format	6.9°
Minimum object distance		0.7 m
Back focal length		30.94 mm
Filter size		30.5 P=0.5 mm
Dimensions		φ34×59.6 mm
Weight		125 g
Remarks		Focus & Iris lock screws

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