

VGA Lens (Manual Iris Lens)

Features

An extensive line of general-use lenses boasting high-performance lens technology. Featuring vibration-control measures, these lenses are a superior choice for installation in machine vision systems.

Built for a wide variety of uses, including pattern matching, component positioning, missing-part inspection, board mounting, and inspection of pharmaceuticals, produce, and grains.

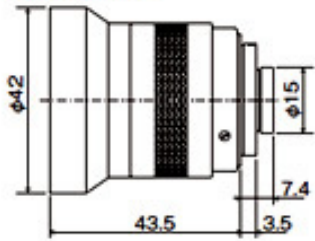
- Standard lenses for machine vision use
- Compatible with VGA-class cameras
- Production line handling cameras from 1/2" to 1" formats
- Lock screws as standard vibration-control measures

FL-HC0416X-VG

Format size		1/2, 1/3" format
Focal length		4.2 mm
Maximum aperture ratio		1:1.6
Iris range		1.6-Close
Mount		C
Horizontal angle of view	1/3" format	64.0°
	1/2" format	86.4°



Dimensions



Unit: mm

	1/1.8" format	-
	2/3" format	-
Minimum object distance	0.2 m	
Back focal length	10.42 mm	
Filter size	-	
Dimensions	φ42×43.5 mm	
Weight	120 g	
Remarks	Iris lock screws, Fixed focus	

FL-HC0612A-VG



Dimensions



Unit: mm

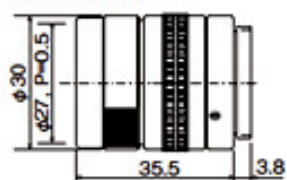
Format size	1/2, 1/3" format	
Focal length	6 mm	
Maximum aperture ratio	1:1.2	
Iris range	1.2-Close	
Mount	C	
Horizontal angle of view	1/3" format	43.4°
	1/2" format	56.8°
	1/1.8" format	-
	2/3" format	-
Minimum object distance	0.2 m	
Back focal length	14.31 mm	
Filter size	40.5 P=0.5 mm	

Dimensions	φ42×46 mm
Weight	125 g
Remarks	Focus & Iris lock screws

FL-HC1212B-VG



Dimensions



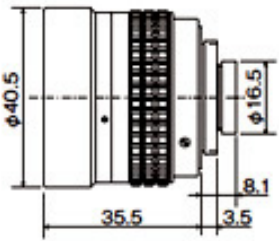
Unit: mm

Format size	1/2, 1/3" format	
Focal length	12 mm	
Maximum aperture ratio	1:1.2	
Iris range	1.2-22	
Mount	C	
Horizontal angle of view	1/3" format	22.6°
	1/2" format	30.2°
	1/1.8" format	-
	2/3" format	-
Minimum object distance	0.2 m	
Back focal length	13.87 mm	
Filter size	27 P=0.5 mm	
Dimensions	φ30×35.5 mm	
Weight	67 g	
Remarks	Focus & Iris lock screws	

FL-CC0418DX-VG



Dimensions



Unit: mm

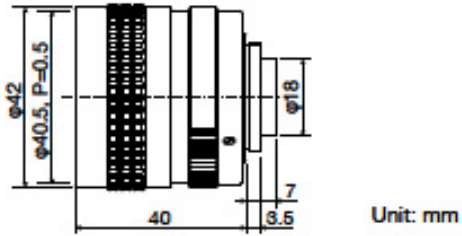
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Focal length		4.8 mm
Maximum aperture ratio		1:1.8
Iris range		1.8-Close
Mount		C
Horizontal angle of view	1/3" format	54.6°
	1/2" format	71.6°
	1/1.8" format	79.8°
	2/3" format	95.4°
Minimum object distance		0.3 m
Back focal length		9.71 mm
Filter size		-
Dimensions		φ40.5×35.5 mm
Weight		105 g
Remarks		Iris lock screws, Fixed focus

FL-CC0815B-VG

Format size		2/3, 1/2, 1/3" format
Focal length		8.5 mm
Maximum aperture ratio		1:1.5



Dimensions



Iris range		1.5-Close
Mount		C
Horizontal angle of view	1/3" format	31.9°
	1/2" format	42.1°
	1/1.8" format	47.0°
	2/3" format	56.5°
Minimum object distance		0.2 m
Back focal length		10.88 mm
Filter size		40.5 P=0.5 mm
Dimensions		φ42×40 mm
Weight		120 g
Remarks		Focus & Iris lock screws

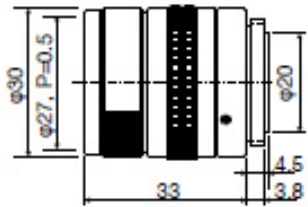
FL-CC1614A-VG

Format size		2/3, 1/2, 1/3" format
Focal length		16 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-22
Mount		C
Horizontal angle of view	1/3" format	16.9°
	1/2" format	22.5°
	1/1.8" format	25.2°
	2/3" format	30.7°



Minimum object distance	0.3 m
Back focal length	13.22 mm
Filter size	27 P=0.5 mm
Dimensions	φ30×33 mm
Weight	58 g
Remarks	Focus & Iris lock screws

Dimensions



Unit: mm

FL-BC1214D-VG



Format size	1, 2/3, 1/2, 1/3" format	
Focal length	12.5 mm	
Maximum aperture ratio	1:1.4	
Iris range	1.4-Close	
Mount	C	
Horizontal angle of view	1/3" format	21.5°
	1/2" format	28.5°
	1/1.8" format	31.9°
	2/3" format	38.6°
	1" format	53.9°
Minimum object distance	0.3 m	
Back focal length	14.40 mm	

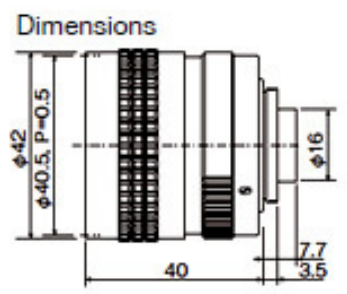
Dimensions



Unit: mm

Filter size	40.5 P=0.5 mm
Dimensions	φ42×50 mm
Weight	135 g
Remarks	Focus & Iris lock screws

FL-BC1218A-VG



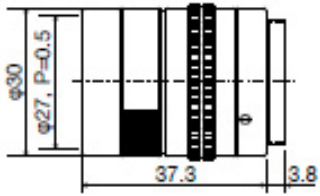
Unit: mm

Format size	1, 2/3, 1/2, 1/3" format	
Focal length	12.5 mm	
Maximum aperture ratio	1:1.8	
Iris range	1.8-Close	
Mount	C	
Horizontal angle of view	1/3" format	22.0°
	1/2" format	29.1°
	1/1.8" format	32.6°
	2/3" format	39.5°
	1" format	55.4°
Minimum object distance	0.3 m	
Back focal length	10.36 mm	
Filter size	40.5 P=0.5 mm	
Dimensions	φ42×40 mm	
Weight	95 g	
Remarks	Focus & Iris lock screws	

FL-BC2514D-VG



Dimensions



Unit: mm

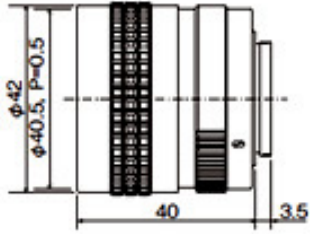
Format size		1, 2/3, 1/2, 1/3" format
Focal length		25 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-22
Mount		C
Horizontal angle of view	1/3" format	11.0°
	1/2" format	14.6°
	1/1.8" format	16.4°
	2/3" format	20.1°
	1" format	28.9°
Minimum object distance		0.3 m
Back focal length		14.98 mm
Filter size		27 P=0.5 mm
Dimensions		φ30×37.3 mm
Weight		76 g
Remarks		Focus & Iris lock screws

FL-BC2518-VG

Format size		1, 2/3, 1/2, 1/3" format
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Dimensions



Unit: mm

Focal length		25 mm
Maximum aperture ratio		1:1.8
Iris range		1.8-Close
Mount		C
Horizontal angle of view	1/3" format	10.9°
	1/2" format	14.5°
	1/1.8" format	16.3°
	2/3" format	19.9°
	1" format	28.2°
Minimum object distance		0.6 m
Back focal length		15.80 mm
Filter size		40.5 P=0.5 mm
Dimensions		φ42×40 mm
Weight		87 g
Remarks		Focus & Iris lock screws

FL-BC5014A-VG

Format size		1, 2/3, 1/2, 1/3" format
Focal length		50 mm
Maximum aperture ratio		1: 1.4
Iris range		1.4-Close
Mount		C
Horizontal angle of view	1/3" format	5.5°
	1/2" format	7.3°



Dimensions



Unit: mm

	1/1.8" format	8.2°
	2/3" format	10.0°
	1" format	14.4°
Minimum object distance	1.0 m	
Back focal length	18.05 mm	
Filter size	46 P=0.75 mm	
Dimensions	φ48×48 mm	
Weight	180 g	
Remarks	Focus & Iris lock screws	

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For more information please contact:

BOCK OPTRONICS INC.
 14 Steinway Blvd., Unit 7
 Toronto, Ontario M9W 6M6

Tel: (416) 674-2804
sales@bockoptronics.ca
www.bockoptronics.ca