
Entocentric Lens - VCH 1.8/35 - BC3518-9M

Short description: entocentric lens, sensor max. 1", F1.8, focal length 35 mm, MOD 150 mm

Order number: 2-10-209



Characteristics

- manually adjustable, high-resolution fixed-focal lens for C and CS mount cameras
 - for matrix and line cameras with 1.1" sensors (12 megapixels) and 1" sensors (9 megapixels)
 - resolution of 147 lp/mm from center to corners of the image
 - extremely low distortion, suitable for image measurement
 - increased light distribution
 - compact design, robust and durable
 - 3 fixing screws each (plus 2 knurling screws) for focus and iris - suitable for applications with vibrations and acceleration
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Technical data

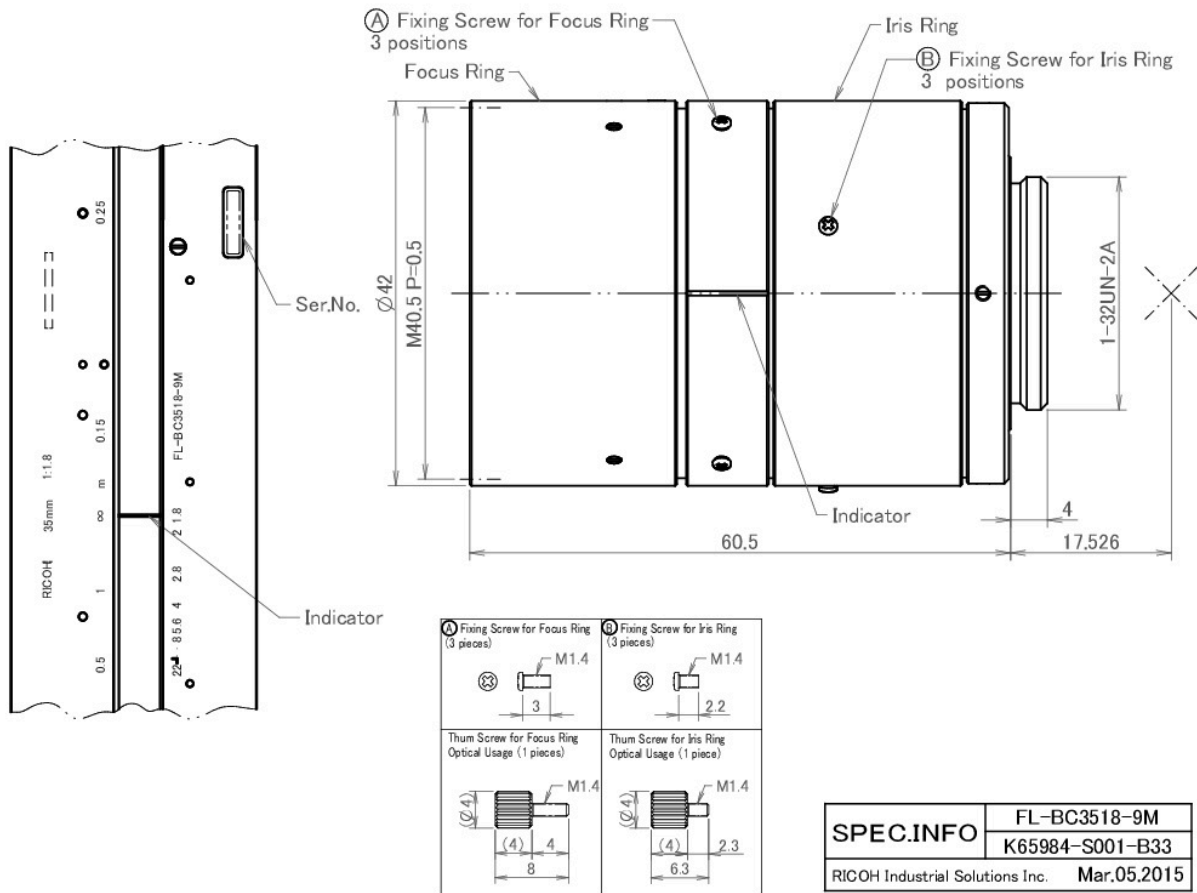
Focal length	35 mm
F-number	1.8 - 22C
MOD	0.15 m
Sensor size (max)	1"
Pixel size (min)	3.69 μ m
Resolution	9 MPixel
Angle of view with:	
• 1" sensor	20.7° x 15.6° x 25.7°
• 2/3" sensor	14.3° x 10.7° x 17.8°
• 1/1.8" sensor	11.7° x 8.8° x 14.5°
• 1/2" sensor	10.4° x 7.8° x 13°
• 1/3" sensor	7.8° x 5.8° x 10.1°
• 1/4" sensor	5.5° x 3.6° x 6.6°
Lens length	60.5 mm
Lens diameter (max)	42.0 mm
Lens mount	C-Mount
Filter thread object-side	M40.5 x 0.5
Weight	150 g
Ambient temperature	-20°C bis +50°C

Accessories for Entocentric Lenses - VCH 1.8/35 - BC3518-9M

Order number	Title	Description
Extension tubes		
2-90-415	Extension ring 0.5 mm	26 x 31 x 0.5 reduces the minimum object distance (MOD)
2-90-416	Extension ring 1.0 mm	26 x 31 x 1.0 reduces the minimum object distance (MOD)
2-90-410	Extension tube set C-mount	consist of extension rings with each 0.5 mm, 1 mm, 5 mm, 10 mm, 20 mm and 40 mm
Lens adapter c-mount		
2-90-414	CS to C-mount adapter 5.0 mm	for connecting C-mount lenses with CS-mount cameras, length: 5 mm
Neutral density filter		
2-91-250	ND filter 3.0 M40.5x0.5	optical density 3.0 - 0.1% transmission, f-stop reduction 10, filter thread M40.5x0.5
2-91-240	ND filter 1.2 M40.5x0.5	optical density 1.2 - 6.3% transmission, f-stop reduction 4, filter thread M40.5x0.5
2-91-230	ND filter 0.6 M40.5x0.5	optical density 0.6 - 25% transmission, f-stop reduction 2, filter thread M40.5x0.5
Daylight blocking filter		
2-91-210	IR filter M40.5x0.5	long-pass filter from 830 nm, daylight absorbing filter, filter thread M40.5x0.5
Polarising filters		
2-91-220	Pole filter M40.5x0.5	linear polarizing filter, range 420 nm - 780 nm, filter thread M40.5x0.5
Colour filter blue		
2-91-288	Colour filter blue M40.5x0.5	band-pass filter, range 350 nm - 600 nm, filter thread M40.5x0.5
UV Cut-Off Filter		
2-91-200	UV blocking filter M40.5x0.5	long-pass filter from 350 nm, usable as protective glass, filter thread M40.5x0.5
Colour filter red		
2-91-268	Colour filter red M40.5x0.5	long-pass filter from 630 nm, red, filter thread M40.5x0.5

Order number	Title	Description
<i>Colour filter green</i>		
2-91-301	Colour filter green M40.5x0.5	band-pass filter, range 430 nm - 620 nm, filter thread M40.5x0.5
<i>Colour filter yellow</i>		
2-91-275	Colour filter yellow M40.5x0.5	long-pass filter from 530 nm, yellow, filter thread M40.5x0.5

Drawings



Dimensional drawing in mm