

LVF-5005C-S1803 Varifocal lens, 1.8-3mm, 5MP, CS mount

www.boschsecurity.com



BOSCH

Invented for life



- ▶ High-quality optics
- ▶ Reliable, robust construction
- ▶ Focal length options

As surveillance cameras can now capture even higher picture resolutions through the use of HD sensor technology and advanced processing, the lenses also need to have an optical resolution that allows the camera to work at its optimal point.

This lens is designed to provide improved image resolution and sharpness, and better depth of field.

System overview

This lens comes with a standard CS mount for use with a variety of cameras.

The DC-iris control connection is a four-pin standard plug that fits directly into the camera's iris output. This lens delivers impressive optical quality due to its megapixel resolution, contrast reproduction, and coating.

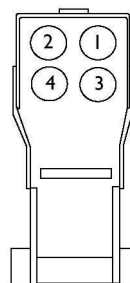
The mechanical construction is designed to withstand both frequent iris control operations and the environmental stress of security installations. It provides long and reliable operation with no maintenance.

For flexible, high-quality, reliable lenses that match an HD camera's performance, this lens is the ideal solution.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Europe	CE	ST-VS 2016-E-051

Installation/configuration notes



4-pin iris connector

Pin 1:	Damping coil -
Pin 2:	Damping coil +
Pin 3:	Driving coil + (open)
Pin 4:	Driving coil -

Parts included

Quantity	Component
1	Unit

Technical specifications

LVF-5005C-S1803	
Maximum sensor format	1/2.5-inch (Sensor diagonal 7.2 mm)
Optical resolution	5 Megapixels
Focal length	1.8 - 3 mm
Iris range	F1.8 to F8
Min object distance	0.5 m (1.64 ft)
Back focus distance (values in air)	8.3 mm (0.33 in)
Weight	63 g (0.134 lb)
Dimensions	Ø 50 mm x 49.3 mm
Lens mount	CS
Angle of view (HxV)	102.7 x 86.4° Wide

LVF-5005C-S1803

1/3-inch sensor 4:3	74.6 x 59.5° Tele
Angle of view (HxV) 1/3-inch sensor 16:9	110.4 x 78.2° Wide 82.5 x 52.6° Tele
Angle of view (HxV) 1/2.7-inch sensor 16:9	115.5 x 83.7° Wide 87.9 x 57.1° Tele
Angle of view (HxV) 1/2.8-inch sensor 16:9	113.7 x 81.7° Wide 86 x 55.5° Tele
Iris control	4-pin, DC control
Focus ctrl	manual
Zoom ctrl	manual
IR corrected	yes

Environmental

- Operating Temperature	-10°C to +50°C (+14°F to +122°F)
- Storage Temperature	-40°C to +70°C (-40°F to +158°F)
- Operating Humidity	Up to 93% non-condensing

Ordering information

LVF-5005C-S1803 Varifocal lens, 1.8-3mm, 5MP, CS mount

Varifocal SR megapixel IR corrected lens with 1/2.5" sensor and CS-mount

Order number **LVF-5005C-S1803**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: +31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.us

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia