

# LVF-5005C-S0940 Varifocal lens, 9-40mm, 5MP, CS mount

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- ▶ 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.

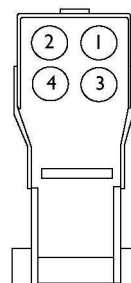
The mechanical construction is designed to withstand both frequent iris control operations and the environmental stress of security installations. It provides long and reliable operation with no maintenance.

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-S0940	
Maximum sensor format	1/2.5-inch (Sensor diagonal 7.2 mm)
Optical resolution	5 Megapixels
Focal length	9 - 40 mm
Iris range	F1.5 to F8
Min object distance	2.5 m (8.2 ft)
Back focus distance (values in air)	8.6 mm (wide); 13.19 mm (tele)
Weight	88 g (0.19 lb)
Dimensions	Ø 55 mm x 49.3 mm
Lens mount	CS
Angle of view (HxV)	28.4 x 21.2° Wide

LVF-5005C-S0940	
1/3-inch sensor 4:3	6.7 x 5° Tele
Angle of view (HxV) 1/3-inch sensor 16:9	32.9 x 18.3° Wide 7.7 x 4.4° Tele
Angle of view (HxV) 1/2.7-inch sensor 16:9	36.3 x 20.2° Wide 8.5 x 4.8° Tele
Angle of view (HxV) 1/2.8-inch sensor 16:9	35.1 x 19.5° Wide 8.2 x 4.6° 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-S0940 Varifocal lens, 9-40mm, 5MP, CS mount**  
 Varifocal SR megapixel IR corrected lens with 1/2.5" sensor and CS-mount  
 Order number **LVF-5005C-S0940**

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