

# LVF-5003N-S3813 Varifocal lens, 3.8-13mm, 3MP, C mount

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- ▶ SR megapixel optical resolution
- ▶ 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 super resolution (SR) lens is designed to provide improved image resolution and sharpness, and better depth of field.

## System overview

These lenses come with a standard C or 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. The lenses deliver impressive optical quality due to their megapixel resolution, contrast reproduction, and coating.

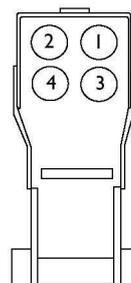
The mechanical construction is designed to withstand both frequent iris control operations and the environmental stress of security installations. It provides long and reliable operation with no maintenance.

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

## Certifications and approvals

Region	Regulatory compliance/quality marks	
Europe	CE	LVF-5003N-S3813

## Installation/configuration notes



4-pin DC-iris connector (front view)

- 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-5003N-S3813	
Maximum sensor format	1/2-inch
Optical resolution	3 Megapixels
Focal length	3.8 - 13 mm
Iris range	F1.4 to F8
Min object distance	0.3 m (1 ft)
Back focus distance (values in air)	10.6 mm (0.42 in)
Weight	80 g (0.18 lb)
Dimensions	Ø 45.7 mm x 64.2 mm
Lens mount	C
Angle of view (HxV)	67.7 x 50.3° Wide

LVF-5003N-S3813	
1/3-inch sensor 4:3	20.1 x 15.1° Tele
Angle of view (HxV) 1/3-inch sensor 16:9	78.6 x 43.3° Wide 23.2 x 13.1° Tele
Angle of view (HxV) 1/2.7-inch sensor 16:9	87.1 x 47.8° Wide 25.6 x 14.4° Tele
Angle of view (HxV) 1/2.8-inch sensor 16:9	84 x 46.2° Wide 24.7 x 13.9° Tele
Iris control	4-pin, DC control
Focus ctrl	manual
Zoom ctrl	manual
IR corrected	No
<b>Environmental</b>	
- 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-5003N-S3813 Varifocal lens, 3.8-13mm, 3MP, C mount**  
 Varifocal SR megapixel lens with 1/2" sensor and C-mount  
 Order number **LVF-5003N-S3813**

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