

LVF-5005C-S1803 Varifocal lens, 1.8-3mm, 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.

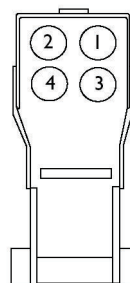
The mechanical construction is designed to withstand both frequent iris control operations and the environmental stress of security installations. It provides long and reliable operation with no maintenance.

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-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**

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