

Megapixel and HD Lenses

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- ▶ Megapixel optical resolution
- ▶ High-quality optics
- ▶ 1/3-inch and 1/2-inch formats
- ▶ Reliable, robust construction
- ▶ Focal length options

As CCTV 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 range of megapixel lenses meets these high requirements and provides long and reliable operation with no maintenance. Comprising varifocal and fixed-focus types, the lenses range from wide-angle to telephoto to cover virtually all applications in CCTV observation systems.

System Overview

This series of megapixel lenses includes both fixed-focus and varifocal lenses with either manual-iris or DC-iris control. They are compact, rugged, and available in 1/3-inch and 1/2-inch image formats. The extent of the range means that an installer is always able to select the most appropriate lens for both camera and application.

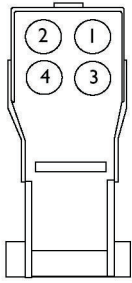
These lenses come with a standard C or CS mount for use with a variety of cameras. The DC-iris control connection is a four-pin standard plug that fits directly into the camera's iris output. And the lenses deliver impressive optical quality due to their mega pixel resolution, contrast reproduction, and coating.

The mechanical construction is designed to withstand both frequent DC-iris control operations and the environmental stress of security installations. For flexible, high-quality, reliable lenses that match a HD camera's performance, this series is the ideal solution.

Certifications and Approvals

Region	Certification
Europe	CE VLG-3V3813-MP
	CE VLG-2V1803-MP5
	CE VLG-2V2806-MP3
	CE VLG-4V0940-MP5

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 -

Technical Specifications

Electrical/mechanical

See comparison table at the end of this datasheet.

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
Certification	CE (DC-iris models)

Ordering Information

VLG-3V3813-MP3 Varifocal Megapixel Lens

3 Megapixel, 3.8-13 mm varifocal, f1.4, 1/2-inch lens,
DC iris

Order number **VLG-3V3813-MP3**

VLG-2V1803-MP5 Varifocal Megapixel Lens

5 Megapixel, 1.8-3 mm varifocal, f1.8, 1/2.5-inch lens,
DC iris, IR corrected

Order number **VLG-2V1803-MP5**

VLG-2V2806-MP3 Varifocal Megapixel Lens

3 Mega Pixel, 2.8-6 mm varifocal, f1.4, 1/3-inch lens,
DC iris

Order number **VLG-2V2806-MP3**

VLG-4V0940-MP5 Varifocal Megapixel Lens

5 Megapixel, 9-40 mm varifocal, f1.5, 1/2.5-inch lens,
DC iris, IR corrected

Order number **VLG-4V0940-MP5**

Megapixel Lenses

	VLG-4V0940-MP5 Varifocal Megapixel Lens	VLG-2V1803-MP5 Varifocal Megapixel Lens	VLG-2V2806-MP3 Varifocal Megapixel Lens	VLG-3V3813-MP3 Varifocal Megapixel Lens
Maximum sensor format	1/2.5-inch	1/2.5-inch	1/3 inch	1/2-inch
Optical resolution	5 Megapixels	5 Megapixels	3 Megapixels	3 Megapixels
Focal length	9 – 40 mm	1.8 – 3 mm	2.8 – 6 mm	3.8 – 13 mm
Iris range	F1.5 to close	F1.8 to close	F1.4 to close	F1.4 to close
Min object distance		0.5 m (1.64 ft)	0.3 m (1 ft)	0.3 m (1 ft)
Back focus distance		8.3 mm (0.33 in)	9.03 mm (0.36 in)	10.6 mm (0.42 in)
Weight		63 g (0.134 lb)	55 g (0.12 lb)	80 g (0.18 lb)
Dimensions	Ø 54 mm x 49.31 mm	Ø 50 mm x 49.3 mm	Ø 37.5 mm x 52.3 mm	Ø 45.7 mm x 64.2 mm
Lens mount	CS	CS	CS	C
4:3 Angle of view (HxV)	30 x 23° Wide 6.9 x 5.2° Tele	106 x 90° Wide 77 x 62° Tele	101 x 74° Wide 47 x 35° Tele	97 x 72° Wide 28 x 21° Tele
1/3-inch sensor 16:9 Angle of view (HxV)	30 x 22° Wide 7.1 x 5.3° Tele	105 x 90° Wide 77 x 62° Tele	86 x 55° Wide 47 x 28° Tele	
1/2.7-inch sensor 16:9 Angle of view (HxV)	37 x 20° Wide 8.6 x 4.8° Tele	111 x 95° Wide 84 x 68° Tele	92 x 60° Wide 51 x 30° Tele	
Iris control	4-pin, DC control	4-pin, DC control	4-pin, DC control	4-pin, DC control
Focus ctrl	manual	manual	manual	manual
Zoom ctrl	manual	manual	manual	manual
IR corrected	yes	yes	yes	IR performance (not with IR illuminator)

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

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

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com