

E-13VM308AS/13VM2812/13VM550 Vari-focal Manual Iris Lenses for Consistent Lighting

Manual iris lenses are ideally suited for use in areas of consistent lighting. Our models feature adjustable focus, adjustable focal length and adjustable iris.

The adjustable iris setting is extremely useful when the camera is used to view an extremely bright light source, thus allowing one to shut the camera's iris down and allow the minimum amount of light in. It is also useful, when used with our infra-red illuminators, to survey an area of complete darkness. One is able to adjust the iris to prevent the IR reflection from showing on the video source. As standard we offer a 3.3~8 mm, a 2.8~12 mm and a 5-50 mm. All 3 models are high quality aspherical Japanese made lenses and can be fitted to any of our 1/3" CS Mount cameras.

MODEL	E-13VM308AS	E-13VM2812	E-13VM550
Format	1/3" CS	1/3" CS	1/3" CS
Focal Length	3.3 ~ 8 mm	2.8 ~ 12 mm	5 ~ 50 mm
Iris Range	F1.0 - Close	F1.4 - Close	F1.4 - Close
Angle of View (near)	91° (3 mm)	97.4° (2.8 mm)	53.4° (5 mm)
Angle of View (far)	36° (8 mm)	24.1° (12 mm)	5.3° (50 mm)
Dimensions (mm)	33 (D) x 47 (L)	40 (D) x 54.6 (L)	43(D) x 59.2 (L)



E-13VM308AS

E-13VM550

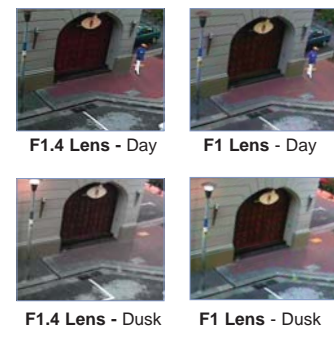
E-13VG308AS Aspherical Low Light 3~8mm Vari-Focal 1/3" Auto Iris Lens

From dusk into the darkness of the night, the fast F1.0 aperture of the **E-13VG308AS** provides remarkable image quality in low light.

Letting in twice as much light as the standard F1.4 lens, this new lens becomes tremendously versatile due to its F1.0 aperture. The lens performs just as effectively under burning midday sun since the aperture stops down to F360. This dynamic range allows just one lens to be used in an area where lighting conditions may change drastically during a 24-hour period, with excellent image quality being maintained.

Utilising aspherical lens technology, superb corner to corner picture quality is provided with sharp picture and reduced distortion. Aspherical lens technology, allows the edges of a lens to be less curved, producing a larger area of accurate image and allowing transmission of a greater amount of light. This improves the quality of camera images, especially when used with digital video recording systems. They reduce distortion and give a lower effective F-stop, permitting cameras to operate at lower light levels.

MODEL	E-13VG308AS
Format	1/3" CS Mount
Focal Length	3 ~ 8 mm
Iris Range	F1.0 - 360
Iris	Auto (DC)
Angle of View	91° (Wide); 36° (Tele)
Operating Temperature	-20 ~ +60°C
Weight	38.4 g
Dimensions (mm)	33 (W) x 47 (H)



F1.4 Lens - Day

F1 Lens - Day

F1.4 Lens - Dusk

F1 Lens - Dusk

E-13VG2812/550 Aspherical 2.8~10mm & 5~50mm Auto Iris Lenses

High quality and manufactured in Japan, our CS mount lenses are suitable for any 1/3" CCD camera with a CS mount. For conditions of lighting that are not consistent such as outdoors, it is wise to choose a lens with an auto iris. The iris automatically adjusts to limit the amount of light reaching the camera's image sensor. This is useful in bright sunlight. When the light drops, the iris opens again, allowing in more light.

MODEL	E-13VG2812AS-SQ	E-13VG550-SQ
Format	1/3" CS Mount	1/3" CS Mount
Focal Length	2.8 ~ 12 mm	5 ~ 50 mm
Iris Range	F1.4 - 360	F1.4 - 360
Angle of View - Wide	97.4°	53.5°
Angle of View - Tele	24.1°	5.6°
Video/DC Iris	DC	DC
Dimensions (mm)	40 (Diam) x 54.6 (L)	40 (Diam) x 59.2 (L)



E-13VG2812AS-SQ



E-13VG550-SQ

E-50500D 5 ~ 50 mm Low Cost Vari-Focal Auto Iris Lens

The **E-50500D** is a low cost auto iris vari-focal lens for CS mount cameras. Ideal quality for general purpose use. This lens can be adjusted between 5 ~ 50 mm. It is suitable for medium range coverage from 10 ~ 40 metres.



MODEL	E-50500D
Format	1/3" CS Mount
Focal Length	5 ~ 50 mm
Iris Range	F1.4 - 360
Angle of View	53.5° (Wide) 5.6° (Tele)
Video/DC Iris	DC
Dimensions (mm)	40 (Diam) x 59.2 (L)

E-13VGI040ASIR / E-12VGI040ASIR Infra-Red Compatible Auto Iris Lenses

These special lenses have been designed for use with B/W cameras and infra-red illuminators or day/night cameras and infra-red illuminators. Cameras switching to B/W from colour and B/W cameras when used with IR illuminators are often out of focus during night operation.

This is caused by a focal plane difference with visible & infra-red light when using standard non-IR lenses. Our new lenses correct this problem and provides a focused picture during day and night. Vari-focal, the lens also features a DC-drive automatic iris and is of aspherical construction. Aspherical lenses provide a superior colour reproduction and better image clarity around the edges.



E-13VGI040ASIR

MODEL	E-13VGI040ASIR	E-12VGI040ASIR	E-13VG2811ASIR
Format	1/3" CS Mount	1/2" C Mount	1/3" CS Mount
Focal Length	10 ~ 40 mm	10 ~ 40 mm	2.8 ~ 11 mm
Iris Range	F1.4 - 360	F1.4 - 360	F1.4 - 360
Iris	Auto (DC)	Auto (DC)	Auto (DC)
Angle of View	27.5° (Wide); 7° (Tele)	37.5° (Wide); 9.2° (Tele)	97.4° (Wide); 26.2° (Tele)
Weight	87 g	87 g	38.4 g
Dimensions (mm)	67 (W) x 38.7(H)	61.98 (W) x 38.7 (H)	40 (W) x 54.6 (H)



E-13VG2811ASIR

E-HTZ11000 11520 mm Long Range CS Mount Lens

The **E-HTZ11000** is a 5670~11520 mm long range lens for video surveillance use. Able to attach to any CCD camera with a C/CS mount ring, it extends the range of video surveillance beyond that of traditional handheld video cameras. Typically the lens is mounted on a tripod for stabilisation and features manually adjustable zoom, focus and iris. Applications include long range surveillance, wild game watching, marine use and safety monitoring to name a few.

In daytime and at dusk, the lens coupled to one of our hi-res cameras is able to identify vehicle number plates and people at a range of 700 metres! It can also be used to monitor activity up to one km. For nighttime use, one of our low light B/W CS or day/night CS cameras can be used. This combination can be used to observe well-lit areas or buildings as normally found in cities.



Applications

- ⊕ Long Range Video Surveillance
- ⊕ Border/Perimeter Security
- ⊕ Marine and Coastal Monitoring
- ⊕ Sporting Events
- ⊕ Game/Bird Watching



MODEL	E-HTZ11000	Filter Size	95mm
Focal Length (1/3")	5670~11520mm	Lens Construction	6 Elements in 6 Groups
Focal Length (1/2")	4320~8640mm	Weight	2.3 Kg
Focus/Zoom/Iris Adjustment	Manual	Dimensions	106 (diam) x 360 (length) mm
Aperature/Iris	F10~20		

E-6Z0607G 6 ~ 36 mm Low Light Motorised Zoom Lens for 1/3" CCD Cameras

The **E-6Z0607G** is an extremely low light lens with an aperture of only F0.75 which is approximately half the aperture of most standard lenses (ie. F1.4).

This allows the lens to allow in more light which in turn allows the camera/lens combination to operate down to a lower light level. This happens without the normal degradation which occurs when the camera's automatic gain control switches on. An aspherical lens, it was designed with low light colour operation in mind. Compact and lightweight, this zoom lens features a DC drive auto iris and standard motorised zoom/focus operation. Our E-HEB is a suitable housing for this lens.



6-36mm Low Light Lens

MODEL	E-6Z0607G	Zoom	Motorised (DC6-12V)
Focal Length	6 ~ 36 mm	Focus	Motorised (DC6-12V)
Iris Range	F0.75 - 360	Iris	Auto (DC)
Angle of View		Weight	550 g
- Wide	(6 mm) 43.6°	Dimensions (mm)	65 (W) x 75 (H) x 93 (L)
- Tele	(36 mm) 7.6°		

Model available with presets - **E-6Z0607G-P**

E-16Z5516G 7.5 ~ 120 mm Motorised Zoom Lens for 1/2" or 1/3" CCD Cameras

This Japanese made motorised lens is suitable for 1/3" or 1/2" CCD cameras. It provides a focal length of between 7.5mm and 120mm, which is longer than most speed dome cameras feature. The E-HEB is a suitable housing to accommodate the lens with a camera such as the E-45CSHRX. Another important function of this lens, is its infra-red compatibility allowing it to be used with our range of infra-red illuminators.



MODEL	E-16Z5516G	Zoom	Motorised (6-12VDC)
Focal Length	7.5 ~ 120 mm	Focus	Motorised (6-12VDC)
Iris Range	F1.8 - 360	Iris	Auto (DC)
Angle of View		Weight	460 g
- Wide	(7.5 mm) 56.1°	Dimensions (mm)	65 (W) x 75 (H) x 104 (L)
- Tele	(120 mm) 3.8°		

Model available with presets **E-16Z5516 -P**

E-20Z1025G 10 ~ 200 mm Motorised Zoom Lens for 1/2" or 1/3" CCD Cameras

The **E-20Z1025G** is a long-range Japanese-made motorised zoom lens. It is suitable for 1/2" C mount cameras and features a DC auto iris lens. Control signals to adjust the zoom and focus are received from a PTZ driver controlled by a PTZ controller. Our E-HEG is a suitable housing for this lens.

MODEL	E-20Z1025G	Zoom	Motorised (6-12VDC)
Focal Length	10 ~ 200 mm	Focus	Motorised (6-12VDC)
Iris Range	F2.5 - 360	Iris	Auto (DC)
Angle of View		Weight	610 g
- Wide	(10 mm) 35.5°	Dimensions (mm)	65 (W) x 75 (H) x 134.5 (L)
- Tele	(200 mm) 0.7°		

Model available with presets **E-20Z1025G-P**



E-30Z1028G 10 ~ 300 mm Motorised Zoom Lens for 1/2" or 1/3" Cameras

These new lenses are suitable for fixed camera applications which require long range video surveillance. In many applications, the range of a standard speed dome camera, say up to 91mm (x26), is simply not enough. A 300 mm lens is able to provide the user with close-up surveillance at 200~300 metres or general observation at upto 600~800 metres. This lens is also infra-red compatible meaning it adjusts to focus to infra-red light sources allowing use with day/night or B/W cameras and external IR illuminators.



For control of the lens, one needs to interface it to one of our PTZ drivers such as the the E-IC310 or the E-DTRX3. Two versions of the lens are available, a standard and a model with presets.

MODEL	E-30Z1028G	Filter Screw Size	M82 P = 0.75
Format	1/2" / 1/3"	Zoom Motorised Control Voltage	6-12VDC, Max.40mA (6V)
Lens Mount	C MOUNT	Focus Motorised Control Voltage	6-12VDC, MAX.40mA (6V)
Focal Length	10 - 300 mm	Motorisation Speed	Approx. 8.0sec. (6V)
Iris Range	F2.8 - 360	Operating Temp.	-10° ~ +50° C
Auto Iris	DC Drive	Weight	Approx.1950 g
Angle of View	1/2"	Dimensions (mm)	105 (W) x 92 (H) x 221.5 (L)
	43.6 (D) x 35.5 (H) x 27.0 (V) ° (WIDE)		
	1.5 (D) x 1.2 (H) x 0.9 (V) ° (TELE)		
Angle of View	1/3"		
	43.6 (D) x 35.5 (H) x 27.0 (V) ° (WIDE)		
	1.5 (D) x 1.2 (H) x 0.9 (V) ° (TELE)		

Model available with presets **E-30Z1028G-P**