

System Series Vari-focal Lenses

www.honeywellvideo.com

ASPHERICAL DESIGN, DC AUTO IRIS/MANUAL IRIS

Honeywell's full line of Vari-focal lenses are suitable for indoor and outdoor applications where scene and lighting requirements vary.

Today's CCTV systems demand lenses that are compact and provide the best optical performance while being easy to install and adjust. Honeywell's line of Vari-focal lenses offers the most compact size in the market while maintaining the widest maximum apertures for a given focal length range. Innovations such as the focus lock mechanism being separated from the focusing ring ensure accurate adjustment of the focus the first time. This reduces time spent in installation and setup of the lens.

Featuring world-class design—Honeywell's lenses bring together the highest quality aspherical glass optics, lightweight construction, and durability to ensure state-of-the-art optical correction, transmission and light-gathering ability. Vari-focal length lenses allow the installer the flexibility of obtaining the exact field of view quickly and easily, eliminating lens substitutions or the need to continuously adjust the camera setup. This is especially convenient for future changes to the viewing environment. Our lenses allow superior wide aperture performance (F0.95) in low light to capture high-quality images up to 540 TVL, even in horizontal-field angles up to 110 degrees.

Honeywell Auto Iris lenses are 1/3" format and are compatible with the vast majority of today's CCD cameras. The camera controls the iris through an industry-standard 4-pin connector and cable. Our manual lenses allow the installer to set the depth of field for a specific application.

Market Opportunities

Lens selection is the most critical element in any CCTV installation. Honeywell's complete line of Vari-focal lenses provide the highest quality, reliability and ease-of-installation. This line is suitable for indoor applications in retail, hospitality, financial, and gaming establishments and outdoor applications, such as ports and parking lots and other areas where low light imaging is important.

Features

- Ability to provide a high-contrast, detailed picture (up to 540 TV lines of resolution) of the subject in daylight and low light, allowing identification of a subject rather than just observation
- Compact, lightweight
- Fastest maximum aperture of lens in class
- Widest range Vari-focal available in class
- Zoom tightening mechanism separate from zooming ring for accurate setup and installation
- Focus tightening mechanism separate from focusing ring for accurate setup and installation (most models)



HLD5V50F13L



HLD28V8F95L



HLD25V6F12L



HLM5V50F13



HLM28V8F95



HLM25V6F12

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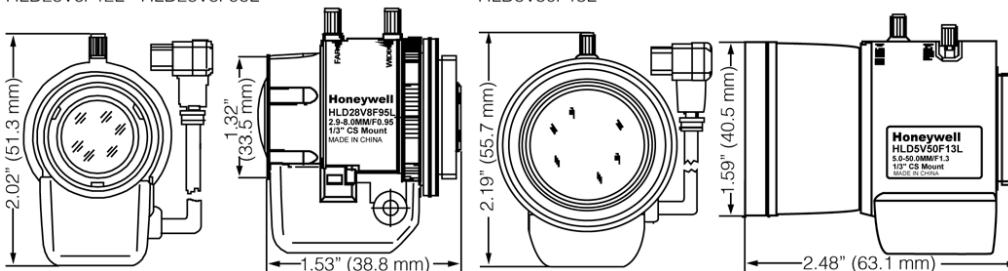
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SPECIFICATIONS

LENSES		HLM25V6F12	HLD25V6F12L	HLM28V8F95	HLD28V8F95L	HLM5V50F13	HLD5V50F13L
Operational							
Image Format	1/3"			1/3"		1/3"	
Lens Mount	CS (Metal mount)			CS (Metal mount)		CS (Metal mount)	
Focal Length	2.5 – 6.0 mm (2.4 X)			2.8 – 8.0 mm (2.8 X)		5.0 – 50.0 mm (10 X)	
Focus Range (MOD)	1.0 (0.3 m)			1.0' (0.3 m)		1.0' (0.3 m)	
Angle of View	Wide:	110° 00' x 80° 58'		99° 52' x 73° 17'		51° 59' x 39° 12'	
	Tele:	46° 11' x 34° 34'		35° 14' x 26° 24'		5° 24' x 4° 05'	
Back focus distance (W – T)	7.51 – 13.54 mm			7.51 – 14.67 mm		10.83 – 10.00 mm	
Iris Range	F1.2 ~ T360			F0.95 ~ T360		F1.3 ~ T360	
Iris Control	Manual	4-pin DC		Manual	4-pin DC		Manual
Exit Pupil Position	4.09" (104 mm)			3.58" (91 mm)		11.5" (292 mm)	
Electrical							
Coil Resistance	Drive Coil:	N/A	190 Ohms	N/A	190 Ohms	N/A	190 Ohms
	Damping Coil:	N/A	500 Ohms	N/A	500 Ohms	N/A	500 Ohms
Current Consumption (max @ DC 4V)	N/A		22 mA	N/A		22 mA	N/A
Mechanical							
Dimensions (L x W x H)	1.42" x 1.32" x 2.02"			1.42" x 1.32" x 2.02"		2.48" x 1.59" x 2.19"	
	36 x 33.5 x 51.3 mm			36 x 33.5 x 51.3 mm		62.9 x 40.5 x 55.7 mm	
Weight	Unit:	1.1 oz (30 g)	1.6 oz (45 g)	1.2 oz (35 g)	1.8 oz (50 g)	3.3 oz (95 g)	3.5 oz (100 g)
	Shipping	1.9 oz (52 g)	2.4 oz (67 g)	2.0 oz (57 g)	2.5 oz (72 g)	4.4 oz (125 g)	4.6 oz (130 g)
Construction	Housing:	ABS Plastic		ABS Plastic		ABS Plastic	
	Finish:	Black		Black		Black	
Environmental							
Temperature	Operating:	14°F to 122°F (-10°C to 50°C)		14°F to 122°F (-10°C to 50°C)		14°F to 122°F (-10°C to 50°C)	
	Storage:	-4°F to 140°F (-20°C to 60°C)		-4°F to 140°F (-20°C to 60°C)		-4°F to 140°F (-20°C to 60°C)	
Relative Humidity	Up to 90%			Up to 90%		Up to 90%	
Regulatory							
Emissions	EN61000-6-3:2001						

HLD25V6F12L - HLD28V8F95L

HLD5V50F13L



Ordering	
HLM25V6F12	2.5 - 6 mm, F1.2, Manual Iris Aspherical Vari-focal Lens
HLD25V6F12L	2.5 - 6 mm, F1.2, DC Auto Iris Aspherical Vari-focal Lens
HLM28V8F95	2.8 - 8 mm, F0.95, Manual Iris Aspherical Vari-focal Lens
HLD28V8F95L	2.8 - 8 mm, F0.95, DC Auto Iris Aspherical Vari-focal Lens
HLM5V50F13	5.0 - 50 mm, F1.3, Manual Iris Aspherical Vari-focal Lens
HLD5V50F13L	5.0 - 50 mm, F1.3, DC Auto Iris Aspherical Vari-focal Lens

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

Honeywell Security

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