

Honeywell Black™ Lens

www.black.honeywell.com

ASPHERICAL DESIGN, DC AUTO IRIS/MANUAL IRIS

Honeywell Black™ Lens Series offers a wide range of lens selections, including mono focal fixed iris lens, vari-focal manual iris lens, vari-focal DC drive iris lens, motorized zoom lens (2 motorized) and motorized zoom lens (3 motorized). These lenses are ideal for any indoor and outdoor applications.

CCTV systems demand lenses that are compact and provide the best optical performance while being easy to install and adjust. Featuring world-class design, Honeywell Black™ lenses bring together great quality aspherical glass optics, lightweight construction, and durability to ensure state-of-art optical correction, transmission and light-gathering ability. 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 Black™ vari-focal lenses provide the great quality, reliability and easy-installation. They are suitable for indoor applications in retail, hospital-ity, financial, and gaming establishments and outdoor applications, such as ports and parking lots and other areas where low light imaging is important.

FEATURES

- Compact, lightweight
- Most sensitive aperture setting system
- Widest range Vari-focal available in class
- Zoom tightening mechanism separate from zooming ring for accurate setup and installation



Mono focal fixed iris lens series



Vari-focal manual iris lens series



Vari-focal DC drive iris lens series



Motorized zoom lens(2 motorized)



Motorized zoom lens(3 motorized)

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SPECIFICATION

Model	CAL04F12	CAL06F12	CAL08F12	CAL012F12	CAL016F12	CALM28120F16	CALM4090F14	CALM60600F16
Focal-Length	4mm	6mm	8mm	12mm	16mm	2.8-12mm	4-9mm	6-60mm
Aperture (D/f)	1.2	1.2	1.2	1.2	1.2	1.6	1.4	1.6
Mount	CS	CS	CS	CS	CS	CS	CS	CS
Format	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
Horizontal Field	62°	43.6°	33.4°	22.8°	17.1°	92°~24°	60°~30°	44°~4.58°
Dimension (mm)	∅ 28x27.3	∅ 28x30	∅ 28x30	∅ 28x20.8	∅ 28x24.7	∅ 37.5x61.5	∅ 31x40.6	∅ 37x68.7x34
Weight (g)	36	39	39	26	32	110	52	118
M.O.D (m)	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5
Focus	-	-	-	-	-	Manual	Manual	Manual
Zoom	-	-	-	-	-	Manual	Manual	Manual
Iris	-	-	-	-	-	Manual	Manual	Manual

Model	CALA28120F14	CALA3580F14	CALA50500F14	CALDA60600F12	CALDA1002000F19	CALD60600F12	CALD80800F12	CALD1002000F19
Focal-Length	2.8-12mm	3.5-8mm	5-50mm	6-60mm	10-200mm	6-60mm	8-80mm	10-200mm
Aperture (D/f)	1.4	1.4	1.4	1.2	1.9	1.2	1.2	1.9
Mount	CS	CS	CS	CS	CS	CS	C	CS
Format	1/3	1/3	1/3	1/3	1/3	1/3	1/2	1/3
Horizontal Field	92°~27.2°	81°~34.5°	49°~5.4°	43°30'~4°40'	26°30'~1°20'	43°40'~4°40'	42°36'~4°36'	26°31'~1°20'
Dimension (mm)	∅ 29x44x43	∅ 36x66x52	∅ 35.4x65.7x46.5	∅ 66x79x82	∅ 79x92x160	∅ 66x79x82	∅ 66x81x134.5	∅ 77x92x171
Weight (g)	72	95	118	560	850	560	600	860
M.O.D (m)	0.2	0.2	0.5	1.6	2	1.6	2	2
Focus	Manual	Manual	Manual	Motorized	Motorized	Motorized	Motorized	Motorized
Zoom	Manual	Manual	Manual	Motorized	Motorized	Motorized	Motorized	Motorized
Iris	DC	DC	DC	DC	DC	Motorized	Motorized	Motorized

ORDERING

Mono focal fixed iris lens	
CAL04F12	4mm fixed iris, F1.2,CS mount, 1/3*format
CAL08F12	8mm fixed iris, F1.2,CS mount, 1/3*format
CAL16F12	16mm fixed iris, F1.2,CS mount, 1/3*format
CAL06F12	6mm fixed iris, F1.2,CS mount, 1/3*format
CAL12F12	12mm fixed iris, F1.2,CS mount, 1/3*format
Vari-focal manual iris lens	
CALM28120F16	2.8-12mm manual iris, F1.4, CS mount, 1/3*format
CALM4090F14	4-9mm manual iris, F1.4, CS mount, 1/3*format,1.3MP
CALM60600F16	6-60mm manual iris, F1.6, CS mount, 1/3*format
Vari-focal DC drive iris lens	
CALA50500F14	5-50mm DC drive iris, F1.4, CS mount, 1/3*format
CALA3580F14	3.5-8mm DC drive iris, F1.4, CS mount, 1/3*format
CALA28120F14	2.8-12mm DC drive iris, F1.4, CS mount, 1/3*format,1.6MP
Motorized zoom lens (2 motorized)	
CALDA60600F12	6-60mm DC drive iris, F1.6,CS mount, 1/3*format zoom lens
CALDA1002000F19	10-200mm DC drive iris, F1.9,CS mount, 1/3*format
Motorized zoom lens (3 motorized)	
CALD60600F12	6-60mm motorized iris, F1.2,CS mount, 1/3*format zoom lens
CALD80800F12	8-80mm motorized iris, F1.2,C mount, 1/2*format zoom
CALD1002000F19	10-200mm motorized iris, F1.9,CS mount, 1/3*format zoom lens

For more information:

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