

Manual Iris, Auto Iris and Pinhole Lenses

A wide range of fixed focal length C or CS-mount lenses, for 1/3" (CS-mount only), 1/2", 2/3" and 1" colour or b/w cameras, are available from Ernitec.

This range includes auto iris lenses series GA and CD. Series GA is based on a galvanometric iris type for high reliability combined with low cost. These lenses will suit all normal security and industrial applications.

Modern computer-aided design and stringent quality control of optical and mechanical standards ensure that these lenses will match – or exceed – modern camera performance.

Key features of the Ernitec Monofocal Lenses:

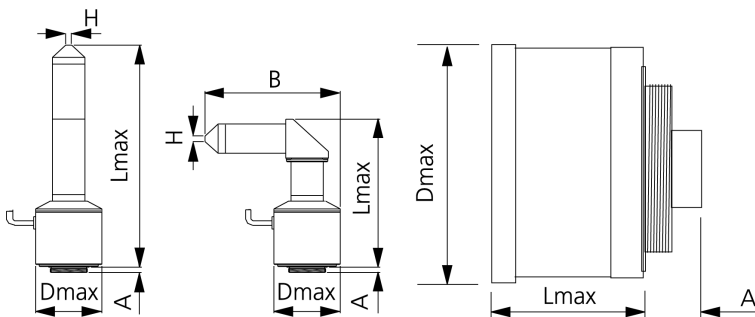
- High resolution glass optics
- Direct Drive types are available for cameras with internal auto iris drive circuit
- All auto iris lenses are equipped with a Neutral Density spot filter for indoor and outdoor use
- Adjustable Focus



Monofocal Lenses

Specifications

Lens Type	Focal Length (mm)	Mount Format	Max. Apt.	Filter Thread	Horizontal Angle of View				Min. Obj. Dist. (m)	Dimensions (mm)		
					1/3"	1/2"	2/3"	1"		A	Dmax	Lmax
Manual iris:												
0214-1/3	2.8	CS-1/3"	1.4	NA	97.4°	-	-	-	0.2	4.0	35.0	38.5
0412-1/3	4.0	CS-1/3"	1.2	M30.5 x 0.5	71.6°	-	-	-	0.2	4.0	35.0	41.0
0812-1/3	8.0	CS-1/3"	1.2	M30.5 x 0.5	34.5°	-	-	-	0.2	4.0	35.0	35.0
0314-1/2	3.5	C-1/2"	1.4	M30.5 x 0.5	77.0°	103.6°	-	-	0.2	8.6	35.0	31.0
0414-1/2	4.5	C-1/2"	1.4	M30.5 x 0.5	59.7°	79.0°	-	-	0.2	8.0	35.0	32.0
0614-1/2	6.0	C-1/2"	1.4	M30.5 x 0.5	44.2°	57.3°	-	-	0.2	8.5	35.0	34.5
1214-1/2	12.0	C-1/2"	1.4	M30.5 x 0.5	23.0°	30.7°	-	-	0.3	6.7	35.0	30.0
0814-2/3	8.0	C-2/3"	1.4	M30.5 x 0.5	34.5°	46.2°	64.2°	-	0.2	7.0	35.0	30.0
1214-2/3	12.0	C-2/3"	1.4	M30.5 x 0.5	23.0°	30.7°	42.5°	-	0.3	6.7	35.0	30.0
1614-2/3	16.0	C-2/3"	1.4	M30.5 x 0.5	16.7°	22.3°	31.1°	-	0.5	8.8	35.0	26.0
2516-2/3	25.0	C-2/3"	1.6	M30.5 x 0.5	11.5°	15.3°	21.0°	-	1.0	8.0	35.0	26.0
5013-1	50.0	C-1"	1.3	M49.0 x 0.75	4.9°	7.4°	10.3°	14.3°	1.0	4.0	63.0	52.0
Auto Iris:												
GA0214-1/3	2.8	CS-1/3"	1.4-360	M35.5 x 0.5	97.4°	-	-	-	0.2	4.0	48.6	39.0
GA0412-1/3	4.0	CS-1/3"	1.2-360	M35.5 x 0.5	71.6°	-	-	-	0.2	4.0	48.6	39.0
GA0812-1/3	8.0	CS-1/3"	1.2-360	M35.5 x 0.5	34.5°	-	-	-	0.2	4.0	48.6	39.0
GA0314-1/2	3.5	CS-1/2"	1.4-360	NA	77.0°	103.6°	-	-	0.2	4.0	50.8	36.0
GA0414-1/2	4.5	CS-1/2"	1.4-360	M35.5 x 0.5	59.7°	79.0°	-	-	0.2	3.5	50.0	39.0
GA0614-1/2	6.0	CS-1/2"	1.4-360	M35.5 x 0.5	44.2°	57.3°	-	-	0.2	3.5	50.0	39.0
GA1214-1/2	12.0	CS-1/2"	1.4-360	M35.5 x 0.5	23.0°	30.7°	-	-	0.3	3.5	50.0	39.0
GA0814-2/3	8.0	C-2/3"	1.4-360	M37.5 x 0.5	34.5°	46.2°	64.2°	-	0.2	7.0	50.8	35.5
GA1214-2/3	12.0	C-2/3"	1.4-360	M37.5 x 0.5	23.0°	30.7°	42.5°	-	0.3	6.5	50.8	35.5
GA1614-2/3	16.0	C-2/3"	1.4-360	M37.5 x 0.5	16.7°	22.3°	31.1°	-	0.5	8.5	50.8	35.5
GA2516-2/3	25.0	C-2/3"	1.6-360	M37.5 x 0.5	11.5°	15.3°	21.0°	-	1.0	8.5	50.8	35.5
CD-5018-1	50.0	C-1"	1.8-360	M43.0 x 0.5	4.8°	7.2°	9.4°	14.5°	1.0	4.0	50.0	49.0
Pinhole:				Shape/B/H								
PH0620S-1/2	6.0	C-1/2"	2.0 Man	Straight/-/ 5.0	44°	60°	-	-	0.3	4.5	40.0	114.5
PH0620A-1/2	6.0	C-1/2"	2.0 Man	Angled/85.5/5.0	44°	60°	-	-	0.3	4.5	40.0	64.5



Electrical specifications:	Series GA	Series CD
Supply voltage	8-16 VDC	8-16 VDC
Max. current consumption	35 mA	30 mA
Video input impedance	> 100 K Ohm	220 K Ohm
Driving coil imp. (NA types)	190 Ohm	-
Damp coil imp. (NA types)	1150 Ohm	-
Temperature range	-5° to +45°	-30° to +70°

Please note:

All 1/3" lenses are only for use with CS-mount cameras. The Auto Iris lenses series GA is available as direct drive versions also, please add the suffix NA to the type number (example: GA0214-1/3NA). The Direct Drive lenses are supplied with Panasonic plug pre-fitted.

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