

## Manual Iris and Direct Drive (DC) Auto Iris

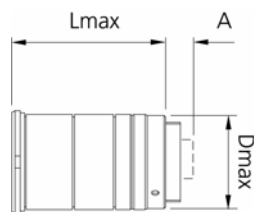
A wide range of fixed focal length C or CS-mount lenses, for 1/3" (CS-mount only), 1/2", 2/3" and 1" colour or b/w cameras are available from Ernitec.

The 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.

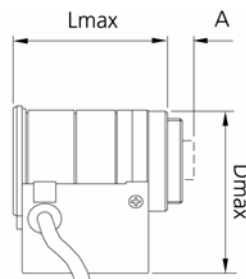
The 1/3" types are IR-corrected and therefore also suited for use with day/night cameras.

## Key features of the Ernitec Fixed Focal Lenses:

- High resolution glass optics
- Adjustable Focus
- All Direct Drive lenses are equipped with a F360 Neutral Density filter for indoor and outdoor use
- All 1/3" are IR-corrected.
- All 1/3" types are fitted with lock-screws on the focus and manual iris.



Manual Iris



Direct Drive Iris

# Specifications

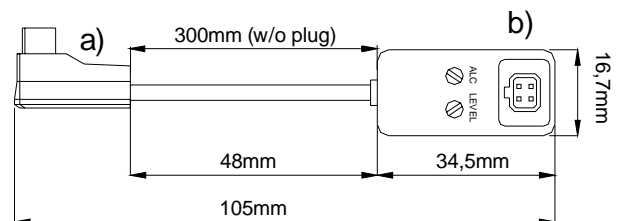
Lens Type	Focal Length (mm)	Mount Format	Max. Apt.	Filter Thread	Horizontal Angle of View				Min. Obj. Dist. (m)	Dimensions (mm)		
					1/3"	1/2"	2/3"	1"		A	Dmax	Lmax
<b>Manual iris:</b>												
0212-IR-1/3	2.8	CS-1/3"	1.2	-	93.2°	-	-	-	0.2	4.0	37.0	34.7
0412-IR-1/3	4.0	CS-1/3"	1.2	-	65.6°	-	-	-	0.2	4.0	37.0	34.7
0612-IR-1/3	6.0	CS-1/3"	1.2	-	46.5°	-	-	-	0.2	4.0	37.0	34.7
0812-IR-1/3	8.0	CS-1/3"	1.2	-	34.5°	-	-	-	0.2	4.0	37.0	34.7
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
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
<b>Auto Iris:</b>												
All Ernitec direct drive lenses (DC autoiris) can be converted into video driven auto-iris lenses by using the Ernitec E-Con converter.												
<b>Direct drive:</b>												
GA0212NA-IR-1/3	2.8	CS-1/3"	1.2-360	-	93.2°	-	-	-	0.2	4.0	41.5	34.7
GA0412NA-IR-1/3	4.0	CS-1/3"	1.2-360	-	65.6°	-	-	-	0.2	4.0	41.5	34.7
GA0612NA-IR-1/3	6.0	CS-1/3"	1.2-360	-	46.5°	-	-	-	0.2	4.0	41.5	34.7
GA0812NA-IR-1/3	8.0	CS-1/3"	1.2-360	-	34.5°	-	-	-	0.2	4.0	41.5	34.7
GA0314NA-1/2	3.5	CS-1/2"	1.4-360	-	77.0°	103.6°	-	-	0.2	4.0	50.8	36.0
GA0414NA-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
GA0614NA-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
GA1214NA-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
GA0814NA-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
GA1214NA-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
GA1614NA-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
GA2516NA-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

## Please note:

All 1/3" lenses are only for use with CS-mount cameras. All Ernitec direct drive fixed focal lenses (DC autoiris) can be converted into video driven auto-iris lenses by using the Ernitec E-Con converter.

## Easy-Click-on Auto Iris Circuit (E-Con)

The easy-click-on auto iris circuit (E-Con), shown to the right, makes a direct drive lens into an auto iris (video driven) lens in a second. Please order the E-Con separately.



a) Plug side (to CCD Camera), b) Receptacle side (from lens)

*The easy-click-on E-Con*



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