

Motorized Zoom Lenses



Series Q

The wide range of motorized zoom lenses will cover nearly any application.

The Series Q consist of a complete range of lenses where a 3-CAM Motor Drive is used. Triple support and guidance of the zoom and focus ensures a very smooth, silent and reliable operation. The iris is galvanometrically controlled.

The Series EC meets the demand for plain, compact motorized zoom lenses for applications not requiring preset operation.

Key features of the Ernitec Motorized Zoom Lenses:

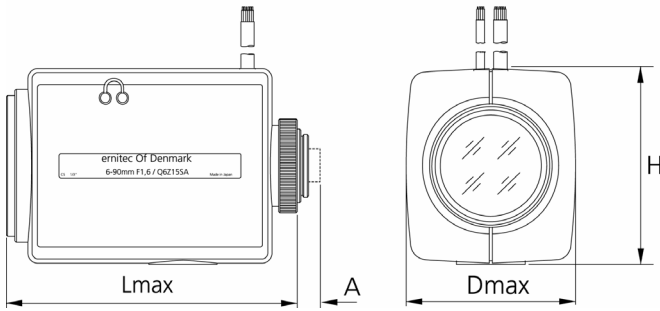
- Two years warranty on Series Q.
- Direct Drive iris versions.
- Feed-back potentiometer versions.
- 6 to 30 times zoom lenses, available in several configurations.



Specifications

Lens Type Q-range	Focal Length (mm)	Mount Format	Max. Apt.	Filter Thread	Horizontal Angle of View		Min. Obj. Dist. (m)	Time Z/F (sec.) @ 12 VDC	Dimensions (mm)			
					1/3"	1/2"			A	Dmax	Lmax	H
6 x Zoom:												
Q6Z6SA-1/3*	6-36	CS-1/3"	0.95-360	M46x0.75	7.8°-44°	-	1.0	3.5/3	4.8	60	89	80
Q8Z6SA-1/2	8.5-51	C-1/2"	1.2-360	M46x0.75	4.7°-28°	7.1°-41°	1.0	3.5/3	8.0	60	100	80
8 x Zoom:												
Q6Z8SA-1/3	6-48	CS-1/3"	1.4-360	M46x0.75	5.8°-44°	-	1.0	3.5/3	4.0	60	105	80
10 x Zoom:												
Q6Z10SA-1/3- /2	6-60	CS-1/3"	1.6-360	M55x0.75	4.7°-44°	-	1.2	2.6/4	4.0	69	114	80
Q8Z10SA-1/2- /2	8-80	C-1/2"	1.8-360	M55x0.75	3.1°-30°	4.6°-44°	1.2	2.6/4	4.0	69	128	80
15 x Zoom:												
Q6Z15SA-1/3- /2	6-90	CS-1/3"	1.6-360	M55x0.75	3.1°-44°	-	1.2	3/4	4.0	69	114	80
Q8Z15SA-1/2- /2	8-120	C-1/2"	1.8-360	M55x0.75	2.1°-30°	3.1°-44°	1.2	3/4	4.0	69	128	80
18 x Zoom:												
Q11Z18SA-1/2- /2	11-200	C-1/2"	1.9-360	M72x0.75	1.3°-21.7°	1.9°-32.1°	1.5	6/6.5	7.5	87	171	80
20 x Zoom:												
Q6Z20SA-1/3- /2	5.6-112	CS-1/3"	1.6-360	M55x0.75	2.6°-47°	-	1.5	3/4	4.0	69	120	80
25 x Zoom:												
Q10Z25SPNA- 1/2#)	10-250	C-1/2"	1.5-360	-	1.1°-26.3°	1.5°-35.3°	2.0	2.5/8.5	5.2	122	240.5	122
Q30Z25SPNA-1/2#)	30-750	C1/2"	4.6-720	-	0.38°-8.9°	0.5°-11.8°	2.5	8/19	5.2	122	313.2	122
30 x Zoom:												
Q5Z30SA-1/3	5.5-165	CS-1/3"	1.8-360	M72x0.75	1.7°-47.6°	-	1.8	6/6.5	4.0	87	167	80
*) Aspherical												
EC-range												
10 x Zoom												
EC6Z10SNA	6-60	CS-1/3"	1.4-360	M52x0.75	4.5°-43.4°	-	1.2	8/8	4.0	70	112.3	70
EC8Z10SNA	8-80	C-1/2"	1.8-360	M52x0.75	3.5°-33.2°	4.6°-44.1°	1.2	10/10	4.0	70	107.6	70

#) Only available in SPNA version



Electrical specifications:	Series Q	Series EC
Auto Iris Supply voltage	8 – 16 VDC	N/A
Zoom/Focus Supply voltage	8 VDC (6-12 VDC)	6 or 12 VDC*
Zoom/Focus Supply current, typ.	< 25 mA / function	< 25 mA / function
Zoom/Focus Supply current, max.	60 mA / function	40 mA / function
Driving coil imp. (NA types)	158 Ohm	165 Ohm
Damp coil imp. (NA types)	1150 Ohm	550 Ohm
Zoom/Focus feed-back (P-types)	5 KOhm	N/A
Temperature range	-10° to +50° C	-10° to +50° C

* Factory default set to 12 VDC

Please note:

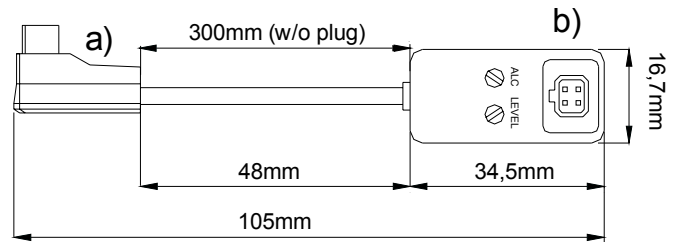
All lenses are equipped with a Neutral Density Filter for in- and outdoor use.

Series Q is available as Direct Drive Iris types, please add the suffix NA to the type number, (example: Q5Z305-NA).

The complete range includes versions with feed-back potentiometers, please add the suffix P to the lens type number, (example: Q5Z305AP). C-mount lenses can be used on CS-mount cameras by adding an Ernitec C/CS-adaptor. Please note that Q10Z25 is only available in Direct Drive version SPNA.

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)

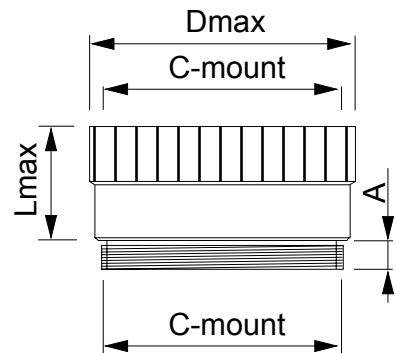
The easy-click-on E-Con

2x Extender EX-2

The x2 extender often gives a significant cost saving. When fitted between the camera and the manual or zoom lens, the focal length effectively doubles. For example: a 75 mm F1.3 lens, plus an x2 extender, effectively becomes 150 mm F2.6.

Note: For C-mount lenses only.

Dmax = 32 mm
 Lmax = 11 mm
 A = 3.5 mm
 Weight = 38 g



2x Extender EX-2



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