

Graflex 62X Zoom Lenses

The **Graflex Incorporated** 62X line of continuous, refractive zoom lenses fit most any day, or near infrared application, within the military or high-end commercial markets.



The unique 62X high performance motorized zoom lenses are relatively compact, ruggedized, lightweight and ideal for military and sophisticated commercial applications. The 62X is offered in three basic ratings.

**STANDARD GRAFLEX INC.
MOTORIZED ZOOM LENS
FEATURES:**

- Motorized ZOOM, FOCUS and IRIS with metal drive gears
- RS-232 / RS-422 Control, or analog
- Custom GUI for PC control
- Optional Boresight Compensation Device (BCD) to maintain Boresight over the zoom range (CS Mount)
- Mounting: Dual 1/4"-20UNC-2A
- CE tested and certified

62X ZOOM: 3 RATINGS AVAILABLE							
ZOOM RATIO	RATING EFL and f/no RANGE	LP/mm (Typ)		CCD Format	HFOV, Deg		
		WA	Tele		WA	Tele	
62X	12.5-775mm, f/3.5 - f/7.7	307	178	1/2"	28.70	0.47	
				1/3"	21.74	0.36	
62X	18.7-1162mm, f/5 - f/11.6	206	119	2/3"	26.48	0.43	
				1/2"	19.42	0.32	
				1/3"	10.97	0.24	
62X	25-1550mm, f/7 - f/15.5	172	112	1"	28.72	0.47	
				2/3"	19.96	0.33	
				1/2"	14.59	0.24	
				1/3"	10.97	0.18	

GENERAL OPTICAL SPECIFICATIONS

Zoom Ratio: 62X
 Focal Length: See Ratings Chart
 Free Aperture: ~100mm
 Focus Range: 5 Meters to Infinity
 Mount: Standard C or CS Mount
 Flange Focus: 17.5mm
 Iris Control: Auto or Manual

Non-rotational focus improves boresight retention
 Boresight: < .3mrad thru zoom range (w/ BCD)
 Excellent resolution / MTF
 Zoom & Focus feedback position potentiometers
 Spectral response for day CCD or image intensifiers
 Filter Mount: 107mm X 0.75mm Pitch

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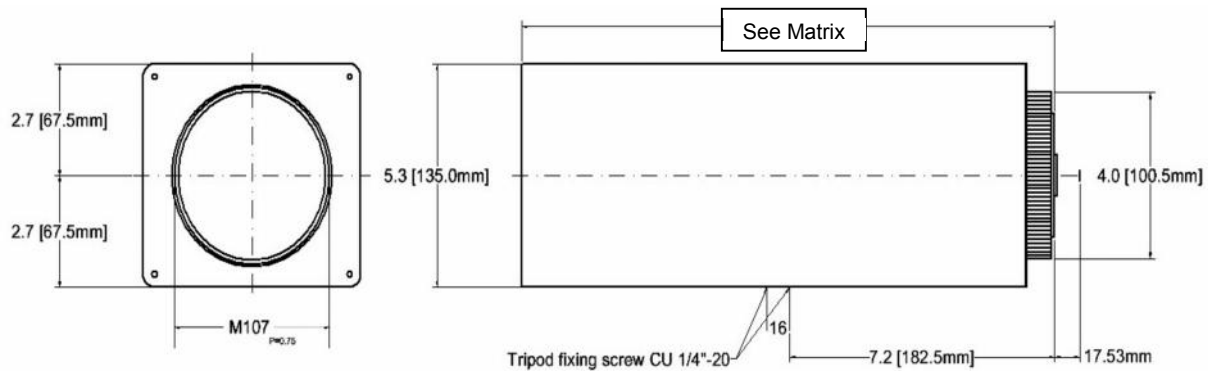
Always on Target

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MECHANICAL DRAWING



<u>MECHANICAL SIZE AND WEIGHT (mm, Kg)</u>				
Rating, EFL & F/no	Length	Width	Height	Weight
12.5 - 775mm, f/3.5	367.5	135	135	5.30
18.7 - 1162mm, f/5	372.8	135	135	5.34
25 - 1550mm, f/7	374.0	135	135	5.35

ENVIRONMENTAL SPECIFICATIONS

Temperature Storage -35 thru +71° C*
 Transit -35 thru +71° C*
 Operation -20 thru +50° C*
 (* Contact Factory)

Vibration Contact Factory
 Shock Contact Factory

ELECTRICAL SPECIFICATIONS

Iris 8-16Vdc @ 30mA
 Zoom/Focus 6-12Vdc @ 60mA
 54X Extender 6-12Vdc @ 60mA
 ALC PCB 3.0Vdc @ 21mA
 Control by RS-232, or Potentiometer
 Potentiometer ~9.5 to 0.5 Kohm

ORDERING GUIDE

Please feel free to contact us by phone, or e-mail, to assist with specification of the right lens for your application. Some of the specifications and options that need to be considered are:

- Lens Rating (EFL & F/no)
- With (or without) lens housing
- With (or without) Boresight Compensation Device (BCD), CS-Mount
- With (or without) DIS-II Digital Zoom Lens Interface for RS232 / RS422 control
- With (or without) override relay for remote selection of Auto / Manual IRIS
- Environmental requirements – Review with factory
- Optional camera installation & adjustment using customer specified camera

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Note: Specifications subject to change without notice.