

# Graflex 31X Zoom Lenses

The **Graflex Incorporated** 31X line of continuous, refractive zoom lenses fit most any application within the military or high-end commercial markets.



The unique 31X high performance motorized zoom lenses are compact, ruggedized, lightweight and provide excellent optical performance. The 31X is offered in four basic ratings.

## STANDARD GRAFLEX INC. MOTORIZED ZOOM LENS FEATURES:

- Proven in many moderate environmental applications
- 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: 1/4"-20UNC-2A threaded hole
- CE tested and certified

## 31X ZOOM: 4 RATINGS AVAILABLE

ZOOM RATIO	RATING EFL & f/no Range	LP/mm (Typ)		CCD Format	HFOV (Deg)	
		WA	Tele		WA	Tele
31X	10 - 310mm f/1.5 - f/3.7	862	500	1/2"	35.5	1.18
				1/3"	27.0	0.89
				2/3"	32.7	1.08
31X	15 - 465mm f/2.3 - f/5.5	512	297	1/2"	24.1	0.79
				1/3"	18.2	0.59
				1"	35.5	1.18
31X	20 - 620mm f/3.0 - f/7.4	431	222	2/3"	24.8	0.81
				1/2"	18.2	0.59
				1/3"	13.7	0.44
				1"	24.1	0.79
31X	30 - 930mm f/4.5 - f/11	256	117	2/3"	16.7	0.54
				1/2"	12.2	0.39
				1/3"	9.1	0.30

## GENERAL OPTICAL SPECIFICATIONS

Zoom Ratio            31X  
 Focal Length        See Ratings Chart  
 Free Aperture        84mm  
 Focus Range         3 Meters to Infinity  
 Mount                 Standard C or CS Mount  
 Flange Focus        17.5mm  
 Filter Mount         M86 X 1.0mm Thread

Excellent resolution / MTF for all ratings  
 Spectral response for day CCD or image intensifiers  
 Zero: < .3mrad thru zoom range (w/ BCD)  
 Zoom & Focus feedback potentiometers  
 Sensitivity: 0.4V to 1.0V (Peak to Peak)  
 Mount: Standard "C" or "CS" mount

## **GRAFLEX Incorporated**



**Always on Target**

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