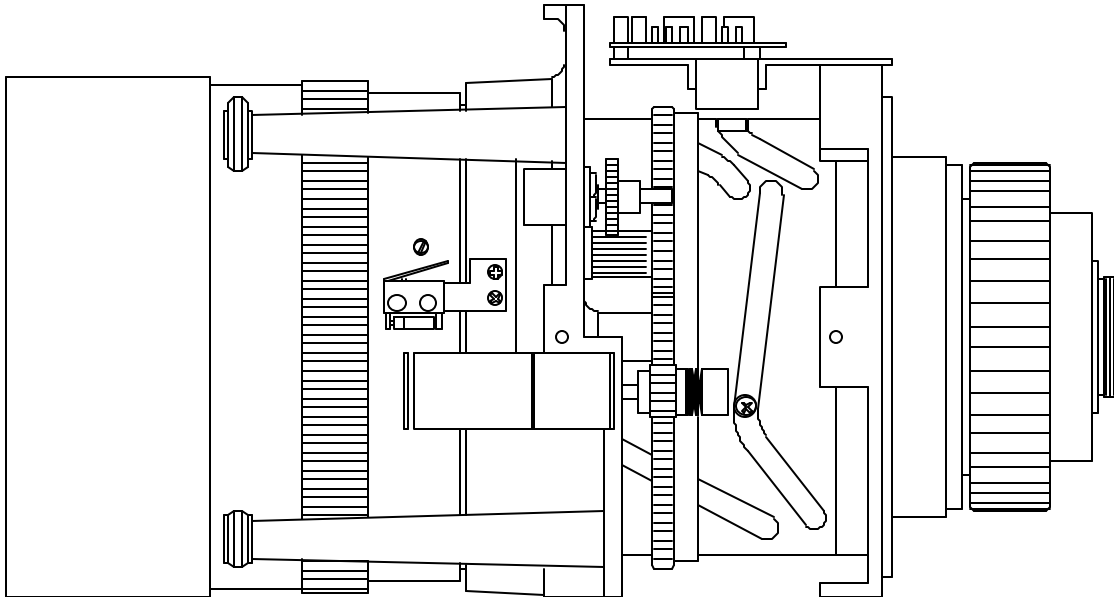


GRAFLEX....Zoom Lenses

12X MOTORIZED ZOOM LENS



This zoom lens has been designed to perform in moderately severe environmental conditions. The rugged construction coupled with excellent mechanical and optical performance make it an ideal candidate for numerous military applications. The 12X is offered in three ratings.

Features

- Tested & proven in many moderately severe applications
- Excellent MTF/resolution
- Excellent boresighting throughout zoom range
- Motorized zoom, focus, and iris
- Options include override relay for remote selection of auto iris or manual iris and multiple mounting brackets
- Multi-layer, high efficiency optical coatings for maximum Transmission in the visible and near-infrared spectrums

Applications

- Surveillance
- Tracking pedestals
- Video fire control systems
- Remote piloted vehicles
- General security

GRAFLEX Incorporated



Always on Target

1281 North Ocean Drive – Suite 201 - Riviera Beach, FL 33404 – USA

Telephone: (561)842-2600 Fax: (561)842-3020 E-mail: Sales@Graflex.com

GRAFLEX....Zoom Lenses

12X MOTORIZED ZOOM LENS

GENERAL OPTICAL SPECIFICATIONS

Zoom Ratio	12X
Focal Length	15-180mm f2.0 22.5-27mm f3.0
Free Aperture	97mm
Focus Range	2.8 meters to Infinity
Mount	C
Flange Focus	17.5mm

OPTICAL FEATURES

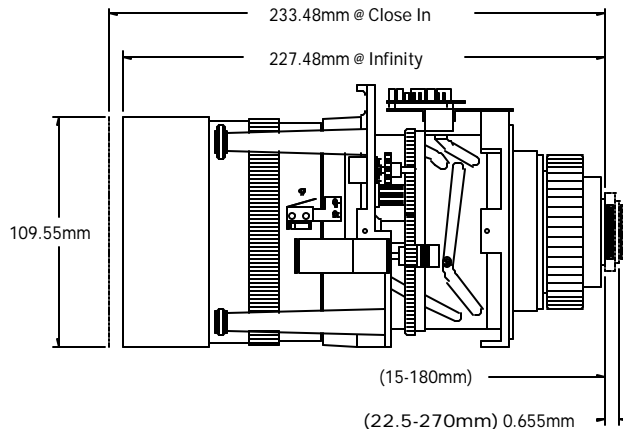
- * Boresighting to .25mrad
- * Excellent resolution/MTF
- * Excellent near-IR Transmission
- * Spot/Gradient Filter

OPTICAL OPTIONS

- AI Bypass/Override

12X Motorized Zoom Optical Data & Minimum Resolution									
Mag	Rating	f#	LP/mm		Coverage	Format	HFOV		
			@ WA	@ Tele			WA	Tele	
12X	15-180mm	f2.0	230	289	1"	1"	46.69	4.16	
							32.22	2.87	
							24.08	2.03	
							18.16	1.52	
12X	22.5-270mm	f3.0	163	205	1"	1"	32.21	2.87	
							22.22	1.98	
							15.33	1.37	
							10.57	0.945	

MECHANICAL DRAWING



FEATURES & OPTIONS

- * Position pots

ELECTRICAL SPECIFICATIONS

Voltage	12Vdc
Current	80mA

GENERAL SPECIFICATIONS

Dimensions	Reference drawing
Weight	~3070 Grams

ENVIRONMENTAL SPECIFICATIONS

Temperature	Storage/Transit	-35 Degrees C, + 71 Degrees C
	Operation	-20 Degrees C, +50 Degrees C
Vibration	MIL STD 810, Method 514.4, Category 6, Procedure 1	
Shock	MIL STD 810, Method 516.4, Category 6, Procedure 1	

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