

GRAFLEX....INTENSICON

INTENSICON with 12X 22.5-270mm REFRACTIVE ZOOM LENS

Optical Specifications

Range:	12X	Free Aperture:	100mm (3.9")
Format:	16mm	Construction:	Refractive
Focus Range:	3M to Infinity	Aperture:	f3.0
Transmission:	Averages 75% (.45 thru .90 microns)		
Focal Length:	22.5mm (WA)	270mm (Tele)	810mm (3X-Day Extender)
Horizontal FOV:	31.5°	2.69°	.90°
Magnification:	1.26X	14.7X	44.0X

NOTE: For more information refer to 12X Data Sheets.

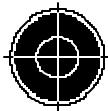
Performance Data

Intensicon w/12X Zoom (22.5-270mm) Adjusted Range Performance Data (Km) @ Day Channel				
Target Data	22.5mm	190mm	270mm	810mm
Man, Detect, 0.8cy	0.99	7.51	10.31	24.51
Man, Recognize, 2.0cy	.40	3.16	4.42	12.09
Man, Identify, 6.4cy	0.12	1.01	1.43	4.16
Vehicle, Detect, 0.8cy	1.94	13.85	18.36	33.0
Vehicle, Recognize, 3.0cy	0.53	4.16	5.81	15.39
Vehicle, Identify, 6.4cy	0.25	2.0	2.81	7.96

Intensicon w/12X 22.5-270mm Zoom Adjusted Range Performance Data (Meters) @ Night Channel						
190mm	Overcast	Starlight	1/4 Moon	1/2 Moon	3/4 Moon	Full Moon
	Starlight					
Man Target, Detect, .8cy	601	1241	1713	2158	2349	2441
Vehicle Target, Detect, .8cy	1194	2451	3367	4221	4585	4760
Man Target, Recognize, 2.0cy	241	500	693	875	953	991
Vehicle Target, Recognize, 3.0cy	321	666	921	1163	1267	1317
270mm	Overcast	Starlight	1/4 Moon	1/2 Moon	3/4 Moon	Full Moon
	Starlight					
Man Target, Detect, .8cy	852	1754	2417	3038	3303	3431
Vehicle Target, Detect, .8cy	1688	3446	4714	5887	6384	6621
Man Target, Recognize, 2.0cy	342	709	981	1238	1349	1402
Vehicle Target, Recognize, 3.0cy	456	943	1304	1644	1790	1861

Note: Night Data assumes 30% Contrast, 50% Probability. Day Data assumes Clean, Dry Air 99%/Km Transmission.
Night Data based on use of 3rd Gen Omni IV Image Intensifier.

GRAFLEX Incorporated



Always on Target

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