## MirZ 4022 MWIR 40-825mm (X22) F/4 Continuous Zoom Lens

MirZ Series, Suitable for 3-5µm Cooled Detectors (MWIR)



## **Key Features:**

- Recognition of small targets at ranges up to 18km makes this lens ideal for long range IR applications
- Narrow Field Of View (<0.7 degrees) allows more pixels on target
- Motorized Continuous Zoom allows you to zoom while keeping the imagery sharp
- The lens controller auto compensates thermal

- deviations and keeps the imagery crisp within a wide temperature range
- Athena<sup>™</sup> programmable DSP controller gives you the freedom to set targets and to calibrate the lens for different field conditions
- Operate and calibrate the lens with our simple and friendly GUI, or through common communication protocols

## MirZ 4022 Specifications:

WFOV	NFOV	
40mm	825mm	
f/4.0	•••••••••••••	
3.4 - 5.1 microns	•••••••	
640 x 512 pixels, 15 micron pixel size		
12.3mm		
24.0mm (+/-3mm)		
19.7mm		
> 85%		
14.36°	0.67°	
<2.5%	<0.1%	
> 41% at 25 lp/mm		
20 meters	100 meters	
Length = 268mm, Front OD = 229mm		
Continuous - Motorized & Synchronized		
< 3.5 sec. @ 25°C		
< 5 pixel deviation		
4310 grams		
Customized to Specification		
-30°C to +65°C		
-40°C to +80°C		
AthenaTM Programmable	DSP Controller	
12VDC, 1.5A Peak / 0.3A Average / 0.1A Idle		
RS422/232		
113 122/232		
	40mm  f/4.0  3.4 - 5.1 microns  640 x 512 pixels, 15 micro  12.3mm  24.0mm (+/-3mm)  19.7mm  > 85%  14.36°  <2.5%  > 41% at 25 lp/mm  20 meters  Length = 268mm, Front C  Continuous - Motorized 8  < 3.5 sec. @ 25°C  < 5 pixel deviation  4310 grams  Customized to Specificati  -30°C to +65°C  -40°C to +80°C  AthenaTM Programmable  12VDC, 1.5A Peak / 0.3A A	

## MirZ 4022 Field Of View Data:

WFOV (37.5mm)				
HFOV	320x240	480x384	640x512	
30 microns	14.36			
20 microns	9.69	14.36	18.85	
15 microns	7.29	10.87	14.36	

NFOV (825mm)				
HFOV	320x240	480x384	640x512	
30 microns	0.67			
20 microns	0.44	0.67	0.89	
15 microns	0.33	0.50	0.67	