## MWIR Continuous zoom – Commercial off the shelf lens

## • ODEM

MWIR 15-330mm F/4.0 Continuous zoom Lens for 640 x 512 x 15µ cooled detectors

## FEATURES / APPLICATIONS / CAPABILITIES

- X22 optical zoom
- Rugged and robust built for harsh environmental conditions
- Available in long BWD (IRIS-P) version, in which a NUC shutter can be added
- Available with different types of front expanders (x1.5, x2, x2.5)



	HFOV for Wide (15mm)				HFOV for Narrow (330mm)			
	640x512	1024x768	1280x1024	IFOV (mrad)	640x512	1024x768	1280x1024	IFOV (mrad)
10u	24.1°	37.6°		0.038	1.11°	1.8°		0.0017
12u	28.7°			0.046	1.33°			0.0021
15u	35.4°			0.057	1.7°			0.0026

 PARAMETER
 VALUE
 NOTES

 Main
 Sub

L						
:h / F#	15 - 330 mm F/4.0					
PA) type / size	Up to 640 x 512 x 15µ					
ectral Range	3 – 5µ					
All internal surfaces	High efficiency AR coating					
Front surface	High durability AR coating	DLC is available upon request				
	19-22mm					
<b>O</b> MECHANICAL						
m mechanism	Motorized					
e	10m / 50m – Infinity	For WOFV / NFOV accordingly				
om boresight	<0.15 mm radius at the focal plane					
sight retention	<0.09 mm radius at the focal plane					
t	850gr					
<b>sions</b> ø x length (mm)	96 x 123					
RICAL						
t	12VDC, 1.0 A					
ation Protocol	RS-422/232 Full Duplex					
NMENTAL						
Storage Temperature	-25°C to +55°C / -40°C to +70°C					
/ibrations	Per applicable standard					
sealing	IP66	IP67 By request				
	ch / F# PA) type / size ectral Range All internal surfaces Front surface NICAL m mechanism le om boresight sight retention t sions ø x length (mm) RICAL t ation Protocol NMENTAL Storage Temperature /ibrations	h / F# 15 - 330 mm F/4.0 PA) type / size Up to 640 x 512 x 15μ ectral Range 3 - 5μ All internal surfaces High efficiency AR coating Front surface High durability AR coating 19-22mm NICAL m mechanism Motorized ne 10m / 50m - Infinity com boresight <0.15 mm radius at the focal plane sight retention <0.09 mm radius at the focal plane t 850gr sions ø x length (mm) 96 x 123 RICAL t 12VDC, 1.0 A RICAL t 12VDC, 1.0 A Attion Protocol RS-422/232 Full Duplex NMENTAL Storage Temperature -25°C to +55°C / -40°C to +70°C /ibrations Per applicable standard				

\*All values are nominal: to within ±5%

