## LWIR Dual FOV - Commercial off the shelf lens

## TOPA7

LWIR 22/66mm F/1.25 Dual FOV Lens for  $640 \times 480 \times 17 \mu$  uncooled detectors

## FEATURES / APPLICATIONS / CAPABILITIES

- Smallest Dual FOV lens, for 4" payloads
- Suitable for various applications
- High sensitivity- LOW F# 1.25
- Rugged design for harsh environments



	HFOV	for Wide (2	2mm)		HFOV for Narrow (66mm)			
	640x480	1024x768	1280x1024	IFOV (mrad)	640x480	1024x768	1280x1024	IFOV (mrad)
12u	19.8°			0.031	6.7°			0.01
17u	27.7°			0.044	9.45°			0.014

ER	VALUE	NOTES					
Sub							
\							
	22/44 mm E/1 25						
	'						
pectral Range	8-12µ						
All internal surfaces	High efficiency AR coating						
Front surface	High durability AR coating	DLC is available upon request					
<b>☼</b> MECHANICAL							
l Back Focal Length	8.9mm						
om mechanism	Motorized						
je	5m / 10m – Infinity	For WOFV / NFOV accordingly					
oom boresight	< 0.15 mm radius at focal plane						
sight retention	< 0.045 mm radius at focal plane						
ht	350gr						
sions ø x length (mm)	78 x 58	Excluding motor					
RICAL							
ıt	12VDC, 1.0A						
ation Protocol	RS-422/232 Full Duplex						
6 ENVIRONMENTAL							
Storage Temperature	-25°C to +55°C / -40°C to +70°C						
Vibrations	Per applicable standard						
sealing	IP66	IP67 By request					
	Sub  AL th / F# FPA) type / size Dectral Range All internal surfaces Front surface ANICAL I Back Focal Length Dom mechanism Dector of the sight retention Int Sions Ø x length (mm) RICAL It DIAL ISTORY Storage Temperature Vibrations	Sub  AL th / F# 22/66 mm F/1.25  PA) type / size Up to 640 x 480 x 17µ  Pectral Range 8-12µ  All internal surfaces High efficiency AR coating  Front surface High durability AR coating  ANICAL Back Focal Length 8.9mm  Motorized  Permom boresight 0.15 mm radius at focal plane  sight retention 0.045 mm radius at focal plane  at 350gr  Sions Ø x length (mm) 78 x 58  RICAL  At 12VDC, 1.0A  ation Protocol RS-422/232 Full Duplex  DNMENTAL  Storage Temperature -25°C to +55°C / -40°C to +70°C  Vibrations Per applicable standard  Sealing IP66					

<sup>\*</sup>All values are nominal: to within  $\pm 5\%$ 

