

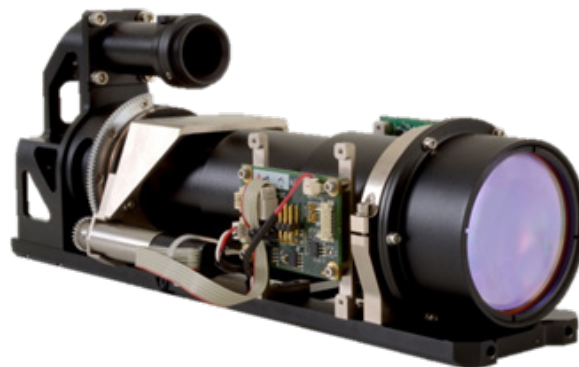
SWIR Mono Focal motorized focus – Commercial off the shelf lens

RP-SW500-10

SWIR 500mm F/10 motorized focus Lens
for 640x512x15 μ m / 1280x1024x10 μ m
cameras

Features:

- Near diffraction limit performance
- Motorized focus



Optical

Focal Length / F#	500 mm / F10
Detector (FPA) type / size	640 x 512 x 15 μ 9.6 x 7.68 mm 1280 x 1024 x 10 μ 12.8 x 10.24 mm
Working Spectral Range	0.9 μ – 1.8 μ
FOV (degrees)	640 x 512 x 15 μ 1.1°(H) x 0.88° (V) 1,280 x 1,024 x 10 μ 1.47°(H) x 1.17° (V)

Mechanical

Focus Mechanism	Motorized
Iris Mechanism	Default: No Iris / Motorized Iris available: please consult RP for details
Filter holder	Includes provision for a filter
LOS shift during focusing	<10 pixels Typical value
Focus indication position	Included through encoder of motor and opto-switch
Total Weight	~ 1.2 kg
Structure	Open frame
Ext. Dimensions ϕ x length (mm)	80 X 260 x 103 mm

Electrical

Power Input	12VDC, 0.5 A
Communication Protocol	RS-422/232 Full Duplex

Environmental

Operating Temperature	-25 $^{\circ}$ C to +60 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C to +70 $^{\circ}$ C
Shock and Vibrations	Per applicable standard
Front lens sealing	IP66 (IP67 by request)

*IFOV is indicated in mrad

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