

## SAHAR 250HS

Discrete Lens for High Sensitivity  
Uncooled Detectors (8-14  $\mu\text{m}$ )

### SPECIAL FEATURES

Optical NUC between FOVs  
Supports 17 $\mu$  High Sensitivity Detectors  
New Lens Category  
Auto Thermal Compensation  
IP66 Sealed Front (option)



Lens Type	SAHAR 250HS
<b>Optical</b>	
Focal Length	80mm, 250mm (two discrete positions)
F#	2.4
Average Transmission	>85%
Horizontal FOV	7.8° - 2.5° (640x512/17 $\mu$ )
Vertical FOV	5.9° - 1.9° (640x512/17 $\mu$ )
Back Focal Distance (from FPA)	27.1mm
<b>Mechanical</b>	
Interface	Precision Attachment (customized mechanical interfaces available)
Focus Mechanism	Motorized
Weight	1,100g
Dimensions	L: 137mm, D: 105mm
<b>Electrical &amp; Communications</b>	
Power Input	12VDC, 1A
Communications	RS-422 full duplex, BR: 19200,n,8,1
<b>Environmental</b>	
Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +70°C
External Coating	HD AR (DLC option)
Shock & Vibration	Mil-STD-810G
Frontal Sealing	Optional IP66