

# Keren Family

Lens for Cooled Detectors (3-5 $\mu$ m)  
Discrete Zoom Lens Family



## SPECIAL FEATURES

- Low power consumption
- Auto Thermal Compensation
- IP66 Sealed Front (option)
- 3 preset discrete zoom positions

Lens Type	Keren 135(Omer)	Keren 175(Tomer)	Keren 300	Keren 600
<b>Optical</b>				
Focal Length	22, 55, 135mm	22, 55, 175mm	33, 100, 300mm	66, 200, 600mm
F#	4	4	4	4
Average Transmission	87%	87%	87%	84%
Horizontal FOV	14.6°, 6.0°, 2.2°	14.9°, 6.0°, 1.9°	1.85°, 5.5°, 16.2°	0.9°, 2.8°, 8.1°
Vertical FOV	11.0°, 4.5°, 1.6°	11.2°, 4.5°, 1.4°	1.4°, 4.2°, 13.1°	0.7°, 2.1°, 6.6°
Detector	384x288/15 $\mu$		640x512/15 $\mu$	
Back Focal Distance	Multiple Detector Compatibility			
<b>Mechanical</b>				
Interface	Precision Attachment (customized mechanical interfaces available)			
Focus Mechanism	Motorized			
Weight (g)	285	270	520	2520
Dimensions (mm)	L: 73, $\varnothing$ 53	L: 77, $\varnothing$ 61	L: 117, $\varnothing$ 94	L: 220, $\varnothing$ 175
<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	-30°C to +70°C			
External Coating	HD AR (DLC option)			
Shock & Vibration	Mil-STD-810E			
Frontal Sealing	Optional IP66			