

# RONIT Family

Lens for Uncooled Detectors  
Continuous Zoom (8-14  $\mu\text{m}$ )



## SPECIAL FEATURES

- Parfocal Lens
- Auto Thermal Compensation
- IP66 Sealed Front (option)
- Up to 5 preset discrete zoom positions

Lens Type	Ronit 100	Ronit 150	Ronit 150XL	Ronit 210XL
<b>Optical</b>				
Focal Length	15-100	25-150	25-150	40-210
F#	1.4	1.4	1.4	1.5
Average Transmission	>83%	>83%	>83%	>83%
Horizontal FOV	39.86°-6.23° (640x480/17 $\mu$ )	24.55°-4.15° (640x480/17 $\mu$ )	38.37°-6.6° (1024x768/17 $\mu$ )	24.54°-4.75° (1024x768/17 $\mu$ )
Vertical FOV	30.43°-4.67° (640x480/17 $\mu$ )	18.50°-3.1° (640x480/17 $\mu$ )	29.15°-5.0° (1024x768/17 $\mu$ )	18.46°-3.54° (1024x768/17 $\mu$ )
Back Focal Distance (from FPA)	20mm	25.56mm	23.45mm	48mm
<b>Mechanical</b>				
Interface	Customize Mechanical Interface Available			
Focus Mechanism	Motorized			
Weight	1,040g	1,315 g	<2,290g	<4,500g
Dimensions	L:137mm, D:94mm	L: 161mm, D: 116mm	L:190mm, D:156mm	L:333mm, D:165mm
<b>Electrical &amp; Communications</b>				
Power Input	12VDC, 1A			5A
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-810E			
Frontal Sealing	Optional IP66			