

# DOUBON Family

Lens for Cooled Detectors (3-5  $\mu\text{m}$ )  
Continuous Zoom Lens Family

## SPECIAL FEATURES

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



Lens Type	Doubon 250	Doubon 600 (Eran)
<b>Optical</b>		
Focal Length	15 – 250	36-600
F#	4	4
Average Transmission	89%	86%
Horizontal FOV	35.5° - 2.2° (640x512/15 $\mu$ )	15.2° - 0.9° (640x512/15 $\mu$ )
Vertical FOV	28.7° - 1.8° (640x512/15 $\mu$ )	12.2° - 0.7° (640x512/15 $\mu$ )
Back Focal Distance	Multiple Detector Compatibility	
<b>Mechanical</b>		
Interface	Precision Attachment (customized mechanical interfaces available)	
Focus Mechanism	Motorized	
Weight	515g / (Doubon Light 460g)	1,740
Dimensions	L: 86mm, D: 84mm	L: 170mm, D: 165mm
<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-810E	
Frontal Sealing	Optional IP66/67	