

# Ruby MWIR f/5.5

## 16X Compact IR Zoom 20 - 320mm

IRZOOM.COM

### Compact Infrared Zoom, 20mm – 320mm (40 - 640mm with Optional 2X Extender)

Introducing the Ruby, a highly compact infrared zoom lens with big power. The Ruby's small profile and impressive 16x continuous zoom, ranging from 20mm - 320mm, make it ideally suited for situations where clear day/night vision and power are needed, but size or weight is a consideration.



### Capabilities

- Compact size and shape
- Lightweight - weighs just over 1 lb (520g)
- Optional 2X Extender changes this lens from 20 - 320mm to 40 - 640mm
- Adjusted for maximum performance over a 12.3 mm diagonal
- CPU-controlled, with integral optical NUC and auto thermal compensation
- Obtain high detail infrared imagery, day or night
- Mid wave infrared offers the ability to see clearly through fog, for land or sea rescue and surveillance operations
- Configurable for any mission profile

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IRZoom.com is a division of Computer Optics, Inc (COI), a world leader in infrared zoom lens technology. We offer a full range of stock and custom infrared zoom lenses, as well as integrated camera systems, for the most demanding applications. Our company is veteran-owned, and our facilities are US MILSPEC-certified. We are proud of our long history of collaboration with all branches of the US military, NASA and the world scientific community.

Ruby MWIR 16x Thermal Compact Lens 20mm - 320mm (40 - 640mm with 2X Extender)

# MWIR f/5.5 Ruby

## 16X Compact IR Zoom 20 - 320mm



MWIR 16x 20 - 320mm

Specs

<b>Lens Type</b>	<b>Continuous Zoom</b>
<b>Spectrum</b>	<b>Mid Wave Infrared (MWIR)</b>
<b>Zoom/Focal Range</b>	<b>20mm - 320mm</b> <b>40mm - 640mm with 2X Extender</b>
<b>Zoom Control</b>	<b>Motorized</b>
<b>Aperture</b>	<b>f/5.5</b>
<b>Field of View</b>	<b>HFOV: 1.72° - 27.6° (.86° - 13.8° with 2X Ext)</b> <b>VFOV: 1.37° - 21.9° (.68° - 10.9° with 2X Ext)</b> <b>(using 9.6x7.68mm detector)</b>
<b>Image Diagonal</b>	<b>12.3mm</b>
<b>Dimensions</b>	<b>L: 3.2" (80mm)</b> <b>D: 2.6" (67mm)</b>
<b>Weight/Mass</b>	<b>1.2 lbs (.544kg)</b>
<b>Temperature</b>	<b>-22°F to +122°F (-30°C to +50°C)</b>
<b>Controller</b>	<b>RS-232 / RS-422 Programmable Controller</b>
<b>Power Input</b>	<b>12VDC, 1A</b>
<b>Mount</b>	<b>Custom Mounting</b> <b>Open Frame Configuration Only</b> <b>ICD Available Upon Request</b>
<b>Part Number</b>	<b>COI-RUBY-MWIR-C-20-16</b>