


Two Position oom Lens

The **Two Position  oom Lens™** by Stress Photonics is an excellent tool for the thermographer who is interested in high spatial resolution. Designed for use with the *DELTA THERM®1000 Stress Measurement System*, the lens is also compatible with a wide range of IR cameras.



Thermal Image of U.S. One Cent Coin

Simple...

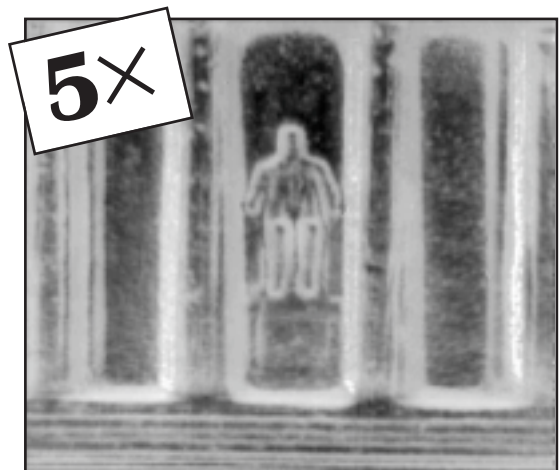
The **Two Position Zoom Lens™** is simple to use. Just set the lens to the broad field-of-view position for easy aiming and focusing, then rotate the lens into the zoom position. The area of interest will remain in focus but will be magnified 5×.

Robust...

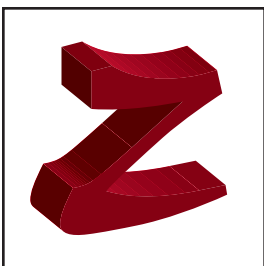
Anodized aluminum construction

Versatile...

The bayonet mount attaches easily to a wide variety of infrared cameras, including Stress Photonics' *DELTA THERM®1000* and Raytheon's RADIANCE line of cameras.



5× Thermal Image of U.S. One Cent Coin



*Stress
Photonics*

Specifications

(Typical for a 128 × 128 FPA with
40 μm detectors on 50 μm centers.)

Spatial Resolution:

Broad: 112 μm (4.41 × 10⁻³ in.)
Zoom: 22 μm (8.66 × 10⁻⁴ in.)

Wavelength Range (transmittance > 90%):

3-5 μm
8-12 μm (option available)

f Number:

Broad: f/2
Zoom: f/4

Image Size:

Broad: 14.3 mm × 14.3 mm (0.563 in. × 0.563 in.)
Zoom: 2.8 mm × 2.8 mm (0.11 in. × 0.11 in.)

Magnification:

5×

Working Distance:

5 cm (2 in.) Broad and Zoom

Vignetting Effects (in corners):

Broad: < 10%
Zoom: < 15%

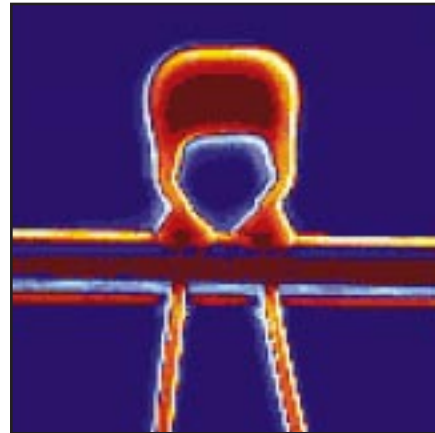
Mount:

Bayonet

Size:

Length: 29 cm (11.375 in.)
Width: 6 cm (2.38 in.)
Height: 8 cm (3.15 in.)

Two Position oom Lens



Stress Image of Capacitor

Compatible IR Cameras

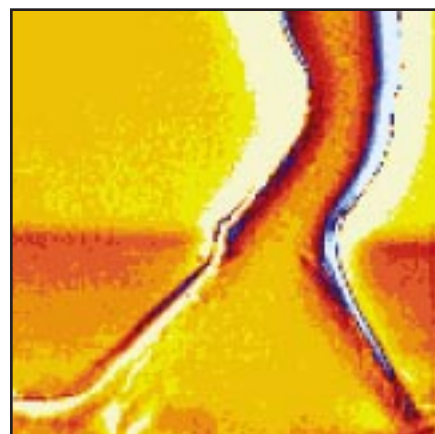
Stress Photonics Inc.

•DELTA THERM®1000

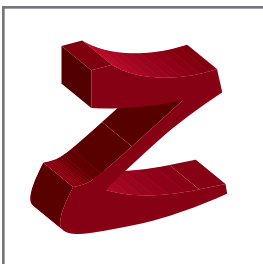
Raytheon

- RADIANCE 1™
- Aurora™
- RADIANCE HS™
- Series 7000 camera heads
- Model 4128, 4256, 5128, and 5256 cameras built in 1993 or later.

The Two Position Zoom Lens™ is also compatible with IR cameras from Santa Barbara Focal Plane as well as other manufacturers.




Stress Image of Right Lead



Two Position oom Lens™

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