

# Two Position Zoom Lens

The **Two Position Zoom 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

## 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.

## 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 $\times$ .

## Robust...

Anodized aluminum construction



5 $\times$  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<sup>-3</sup> in.)

Zoom: 22 μm (8.66 × 10<sup>-4</sup> 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.)

## Compatible IR Cameras

### Stress Photonics Inc.

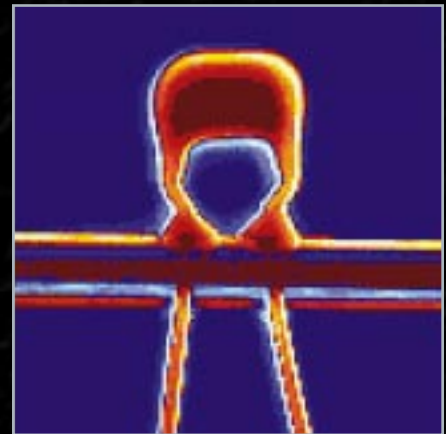
- DELTATHERM®1000

### Raytheon

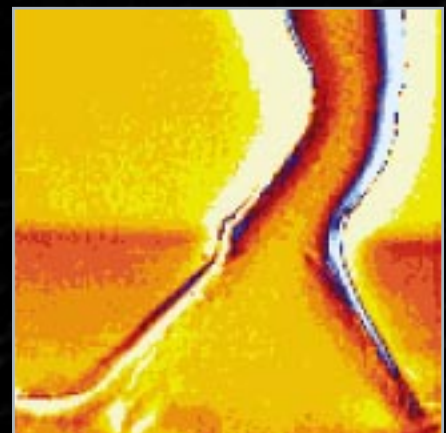
- RADIANCE 1™
- Aurora™
- RADIANCE HS™
- Series 7000 camera heads
- Model 4128, 4256, 5128, and 5256 cameras built in 1993 or later.

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

## Two Position oom Lens



Stress Image of Capacitor



Stress Image of Right Lead

### Two Position oom Lens™

Stress Photonics Inc.


3002 Progress Road • Madison, WI 53716

Telephone (608) 224-1230 • FAX (608) 224-1233

email: [info@StressPhotonics.com](mailto:info@StressPhotonics.com)

<http://www.StressPhotonics.com>

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