

Two Position oom Lens



High Resolution IR 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**® Stress Measurement System, the lens is also compatible with a wide range of IR cameras.

Applications

- Electronic Circuit Thermal NDE
- Stress Measurement in Small Fillets and Holes
- Fracture Mechanics
- Crack Detection

*Stress
Photonics*

Thermography

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 5x.

Robust

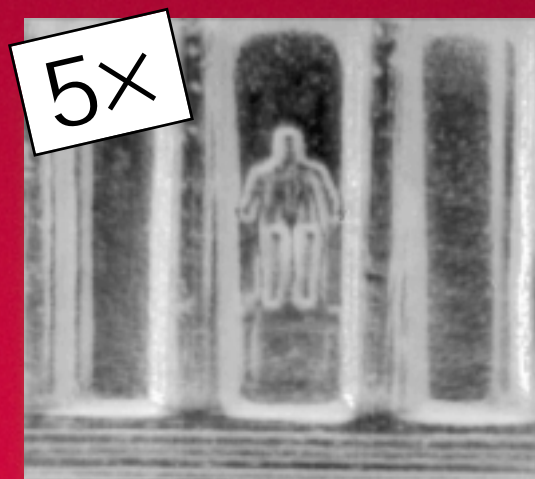
Anodized aluminum construction

Versatile

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



Thermal Image of U.S. One Cent Coin

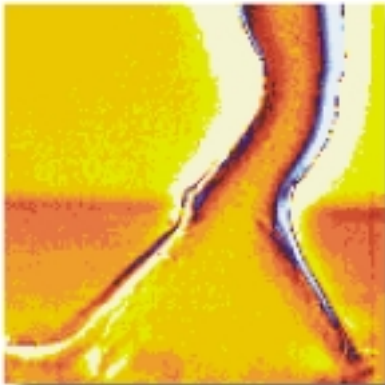


5x Thermal Image of U.S. One Cent Coin

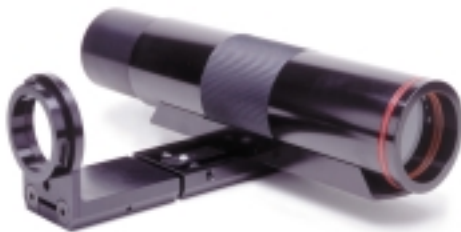
Two Position oom Lens



Stress Image of Capacitor



Stress Image of Right Lead



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Two Position  oom Lens™

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: 14.3mm. × 14.3mm. (0.563in. × 0.563in.) Zoom: 2.8mm. × 2.8mm. (0.11in. × 0.11in.)
Magnification:	5×
Working Distance:	5cm. (2in.) Broad and Zoom
Vignetting Effects (in corners):	Broad: < 10% Zoom: < 15%
Mount:	Bayonet
Overall Size:	29cm. (11.375in.) × 6cm. (2.38in.) × 8cm. (3.15in.)

Compatible IR Cameras

Stress Photonics Inc.	DELTA THERM ®
Raytheon	RADIANCE 1™ Aurora™ RADIANCE HS™
Santa Barbara Focalplane	ImageIR™
Indigo Systems	Merlin™

The Two Position Zoom Lens is also compatible with DIOP Bayonet Mount Lenses and IR cameras from other manufacturers.

Specifications subject to change without notice.

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Learn more about the
 Two Position Zoom LENS as well the
 line of exciting full-field stress and
 strain measurement products at
StressPhotonics.com