



System Performance

Frame Rate:	434 frames/s
Specimen Temperature:	0°C to 50°C (<i>unlimited temperature range with accessories</i>)
Loading Frequency Range:	0.5 - 1000Hz
Dewar Hold Time:	> 5 hours
Attainable Thermal Resolution:	< 0.001Kelvin full-field
Typical Image Acquisition Time:	30 seconds to attain 0.002°C or better

Camera Head and Optics

Detector:	128x128 InSb array, 3-5µm sensitivity
Lens:	25mm, 50mm, 100mm, f/2.3 (<i>other lenses available upon request</i>)
Dewar:	Liquid N ₂ or closed-cycle cooling available
Overall Size:	30cm. (12in.) x 18cm. (7in.) x 23cm. (9in.)
Weight (dry):	3.6 kg (8 lb)
Best Spatial Resolution:	0.15mm (.006in.), 25µm (0.001in.) <i>with accessory</i>

Electronics

Power:	100 - 250V, 100W
Size:	48cm. (19in.) x 20cm. (8in.) x 25cm. (10in.)
Weight:	7.3 kg (16 lb)
Video Outputs:	NTSC or PAL composite, (<i>setup monitor for instantaneous image display</i>)
Computer Interface:	Bidirectional parallel

Computer Hardware and Software

<i>DELTA</i> VISION™ Control, Acquisition, and Post Processing Software:	Control of all aspects of the camera, receiving and storing images, and a full suite of post-processing capabilities including presentation of <i>DELTA</i> THERM™ 1000 data. Runs under Windows 95 or Windows NT operating systems.
System Computer:	Selection of Pentium based notebooks & workstations available

Specifications subject to change without notice.



*DELTA*THERM™ 1000

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