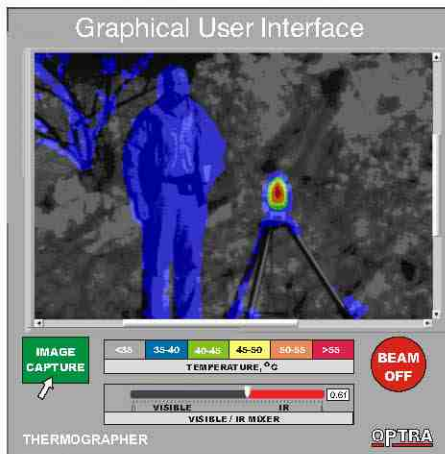


THERMOGRAPHER SPECIFICATIONS

Temperature Range	35 - 55 deg.C
IR spectral range	7.8 - 13.2 m
Temperature accuracy	< 2.5 deg.C
Temperature resolution	< 1 deg.C
Max. stand-off range	700 meters *
IR pixel subtense	0.33 mrad
IR field-of-view	2.3°
Visible field-of-view	11.5° X 8.6°
Measurement bandwidth	15Hz

The temperature for each IR pixel is measured by sensing the ratio of the image irradiance within two IR bands that were selected to make the temperature measurement independent of relative humidity. A visible image is overlaid on composite IR image to allow the user to see the scene surrounding the target.

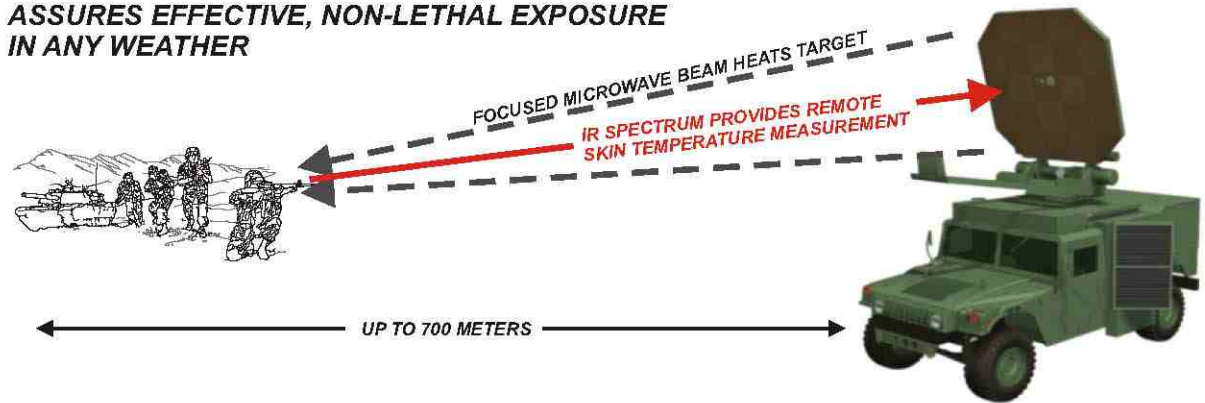


For further information
please contact OPTRA Inc. at
info@optra.com

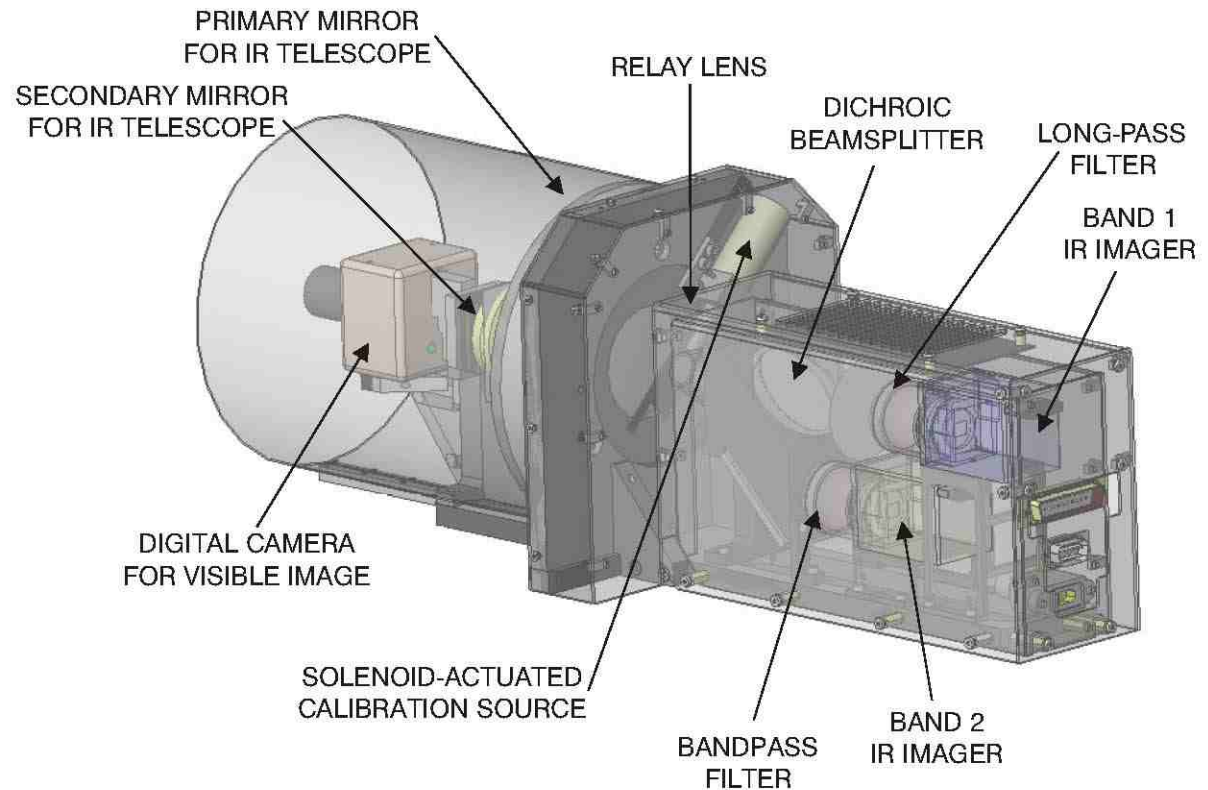
OPTRA

THERMOGRAPHER

**REMOTE SKIN TEMPERATURE MEASUREMENT
ASSURES EFFECTIVE, NON-LETHAL EXPOSURE
IN ANY WEATHER**



OPTRA's Imaging Thermographer was developed for the Marine Corps to provide a means for monitoring the skin temperature of personnel targeted by a non-lethal directed energy beam. All-weather accurate temperature measurements can be made at ranges up to 700 meters.





IMAGING THERMOGRAPHER
for the
REMOTE MEASUREMENT
OF HUMAN TEMPERATURE

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978-887-6600 www.optra.com

Accurately measures temperatures in the range of 35° to 55°C with better than 2.5° accuracy, spatial resolution of 0.33mrad, at ranges up to 700m



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