

PTI

PHALANX THERMAL IMAGER

U.S. Navy Photo by
Petty Officer 2nd Class William Phillips
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SEE FIRST, UNDERSTAND FIRST, ACT FIRST AND FINISH DECISIVELY

Leonardo DRS' Phalanx Thermal Imager (PTI) provides increased vision capability for shipboard applications during day, night, and adverse weather conditions. Designed for harsh maritime environments, the PTI is ruggedized, sealed, and pressurized to withstand fog environments, shipboard vibrations and gunfire shock.

The PTI employs Leonardo DRS' proven thermal imaging technology. This high-performance thermal camera can display clear images through smoke, light fog and complete darkness for exceptional sensitivity and resolution, 24 x 7 and in harsh shipboard conditions.

Measuring 13.0 x 26.0 x 12.0 inches and weighing less than 63 pounds, the PTI furnishes a wide 6° x 3.9° horizontal field of view (FOV) and a narrow field of view of 2° x 1.3°. The 4-bolt mount, removable handles, and single power/signal connector design simplifies installation for various shipboard platforms. A remote controlled wiper system keeps the infrared window clear during adverse weather conditions. All of these features and options combine to make this a reliable, high performance maritime infrared imaging device.

HIGHLIGHTS

- Increased vision capability
- Designed for maritime environment, day/night and adverse weather conditions
- Withstands shipboard vibration and gunfire shock
- Ruggedized, sealed and pressurized with wiper system
- 640 x 480 resolution in the 8-12 μm spectral band



 **LEONARDO DRS**

PHALANX THERMAL IMAGER

VIEWING

COMPONENT	DESCRIPTION
Detector Type	Scanning Array (SADA-II)
Array Size	640 x 480
Spectral Response	8-12 μm
Video Outputs	8 bit digital RS-170 analog
Narrow Field of View (NFOV)	2.0° H, 1.3° V
Wide Field of View (WFOV)	6.0° H, 0.9° V

GENERAL

MTBF	2000 hours
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ENVIRONMENTAL

Environment	Shipboard/Land
Operational Temperature	-28° C to +46° C (-18° F to 114° F)

MECHANICAL

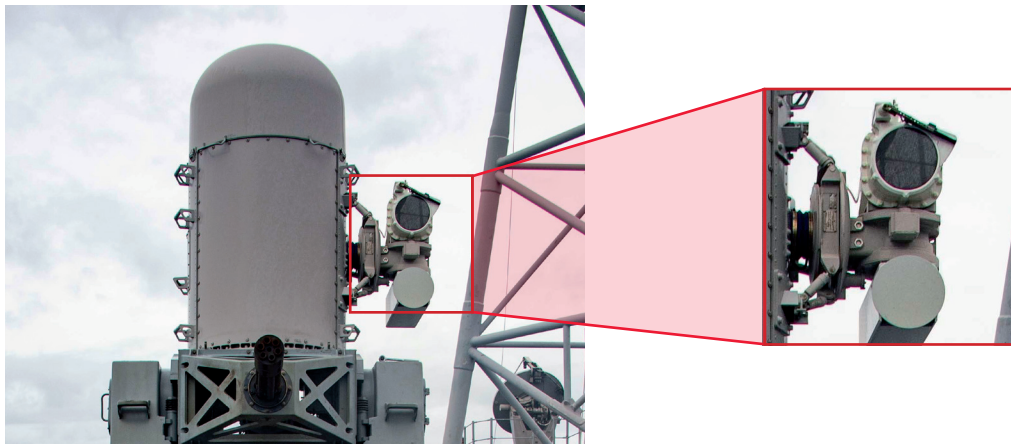
COMPONENT	DESCRIPTION
Weight	< 63 lbs.
Dimensions	13.0 x 26.0 x 12.0 inches
Power	28 VDC, 90 Watts

INTERFACE

Available Interfaces	RS422
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USER CONTROL

Available Controls	<ul style="list-style-type: none"> Gain and Level Adjustments Focus Adjustment Narrow/Wide FOV Wiper BIT
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Phalanx Thermal Imager installed on a Phalanx weapon.

U.S. Navy Photo by
Petty Officer 3rd Class Jesse Marquez Magallanes
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Electro-Optical Infrared Systems

100 N Babcock St,
Melbourne, FL 32935
T +1 888 377 7782
marketing@drs.com

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