

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN



High Efficiency Transmitter (HETx)

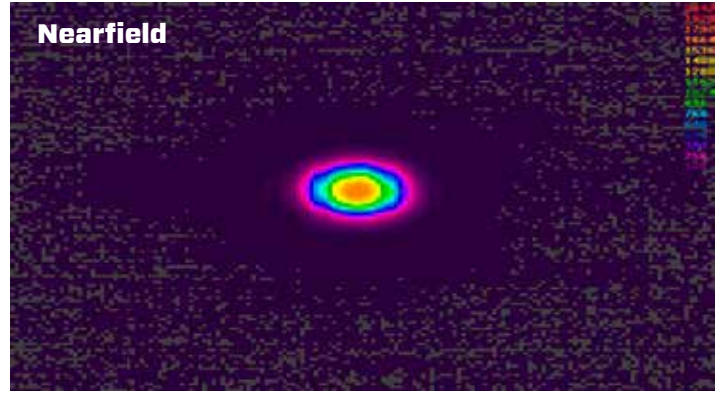
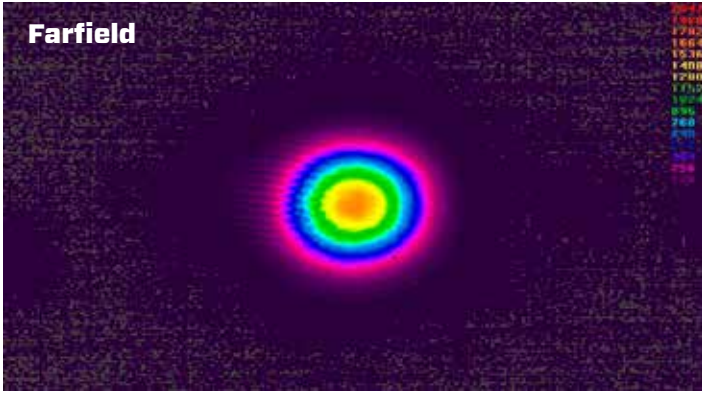
The High Efficiency Transmitter (HETx) eyesafe laser range finder transmitter is compact, lightweight and has a 1540 nm wavelength laser with a stable >3mJ per pulse that supports 10-20 km ranging. It is fully qualified for the military environment where it has been used in ground and airborne platforms. HETx is available as a stand-alone product.

Beam Quality

The HETx has demonstrated outstanding beam quality in field tests over the full military temperature range. The beam quality allows tight divergence, smaller transmit apertures and clutter rejection, which minimizes the probability of false returns in battlefield environments.

Energy Stability

The HETx has demonstrated energy per pulse stability, supports multiple range finder system requirements and does not restrict any user ConOps, even during cold theater operations.



Technical Specifications

	Performance
Output Energy	>3 mJ
Laser Output Pulsewidth	<12 ns
Beam Diameter	<1 mm @ 90%
Beam Divergence	<4 mrad @ 90%
Pulse Rep-rate	1 Hz
Laser Wavelength	1535 ± 5 nm
Pump Voltage	≤4.5 V
Pump Current	100 ± 5 A
Operating Temperature Range	-37°C to +60°C
Storage Temperature Range	-46°C to +71°C
Laser Head Size (L x W x H)	62mm x 22mm x 16mm
Laser Head Weight	<25 grams

**For more information,
please contact:**

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Specifications and features subject to change without notice.

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