



# Laser Designator/Range Finder

## NIR Sight Concept



**Target designation spot visible  
on 3-D image of target –  
See what you are targeting!**

## Need:

- Current approaches do not allow operator to see what is designated as target
- Diffraction of laser light over distances / misalignment of system may cause designator to target wrong object

## Solution:

### **New near infrared camera technology**

- Camera detects designator spot on the target
- Better accuracy/ self-calibrating camera system
- Increased automation/reduction in manpower
- Increased range to target/greater survivability
- Smaller camera – 2.5” diameter, 1” deep, 3oz

## Capabilities:

- Amplified, range-gated, hi-resolution camera
- 3X range / 10X sensitivity of current approach
- 3-D Image with laser spot designator for target validation

## Potential Applications:

- Special Operations
- Targeting systems
- Remote UAS operations

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