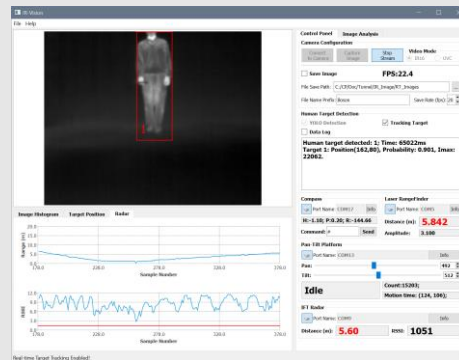


An RF and EO/IR Mixed Sensor System for Human Target Detection and Geolocation



- Seamless integration of Radar, EO, and IR technologies for complete sensing capability.
- The IMU with rotary stages on a robot platform provides a 360° position detection for remote locations.

The GUI software for targeting and differentiating detected humans, sensors fusion, while continuously tracking interested human targets.

- ❖ The AI trained IR camera, combined with a precise laser range finder and all-weather radar, provides a robust identification of multiple human targets with high accuracy, regardless of the illumination and environment.
- ❖ Both RF and IR sensors allow for distinguishing between friendly and enemy targets.
- ❖ Continuously tracking the geolocation of the interested human target.

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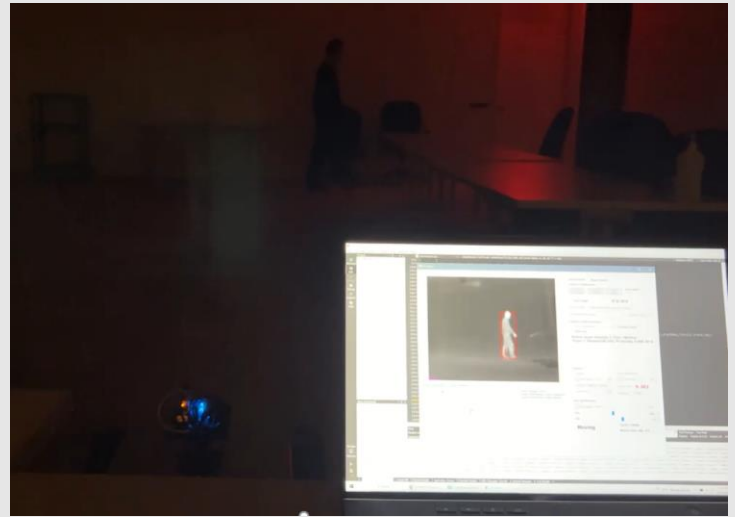
1

Single human target identification with continuous tracking



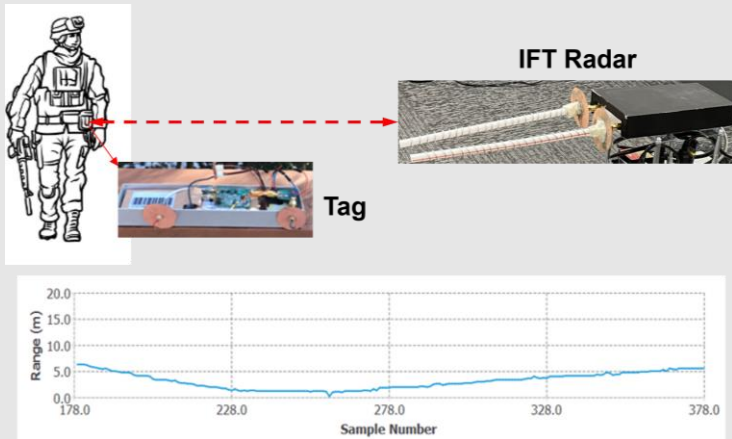
2

Single human target identification with continuous tracking in a dark environment



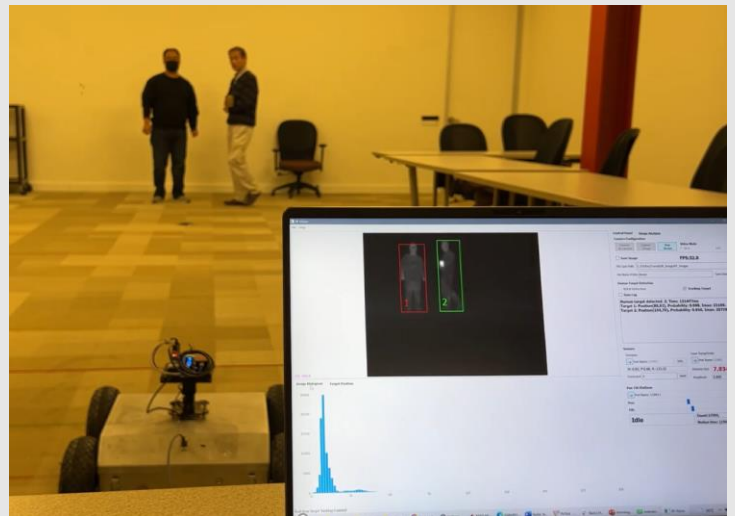
3

Friendly human target identification and distance sensing with the IFT radar



4

Multiple human target identification with the discerning capability between friend and enemy



5

Continuously tracking of interested human targets when multiple human targets are detected.

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