

IFT STEREO RANGING SYSTEM

ABOUT

Intelligent Fusion Technology Inc. is a small business pioneer in data fusion tech. At IFT, our scientists and engineers are continuously pushing boundaries by producing innovative one-of-a-kind software and hardware solutions for defense, commercial, and industrial sectors.

Intelligent Fusion Technology recognizes the importance of distance tracking in warfare for early threat detection and strategic response, enhancing military safety and preparedness. The IFT Stereo Ranging System (eyeFT-SR) combines target detection, vision, and ranging to detect and estimate object distances in real-time, supporting precise targeting and minimal collateral damage. This system allows customization with various detection methods and is adaptable with EO or IR sensors for diverse scenarios.



WWW.I-FUSION-I.COM

CTO CONTACT: GENSHE CHEN | EMAIL: GCHEN@INTFUSIONTECH.COM | TEL: (301) 515-7261

eyeFT-SR

- **Counter-UAV:** The system can detect and track unauthorized drones, aiding in the protection of airspace around critical infrastructure and events.
- **Automotive and Transportation:** The IFT system enhances safety in autonomous vehicles by improving obstacle detection and navigational accuracy for both ground and aerial transport.
- **Security and Surveillance:** It's used in security devices to monitor and secure areas, crucial for detecting intrusions at sensitive locations like military bases.
- **Industrial Automation:** In robotics, the IFT system helps navigate complex environments and manage operations with precision in manufacturing and warehousing.
- **Healthcare and Rehabilitation:** Helps visually impaired individuals navigate by providing real-time distance feedback.
- **Search and Rescue:** Vital in rescue operations, improving the speed and efficiency of locating individuals in emergencies.

Commercialization

