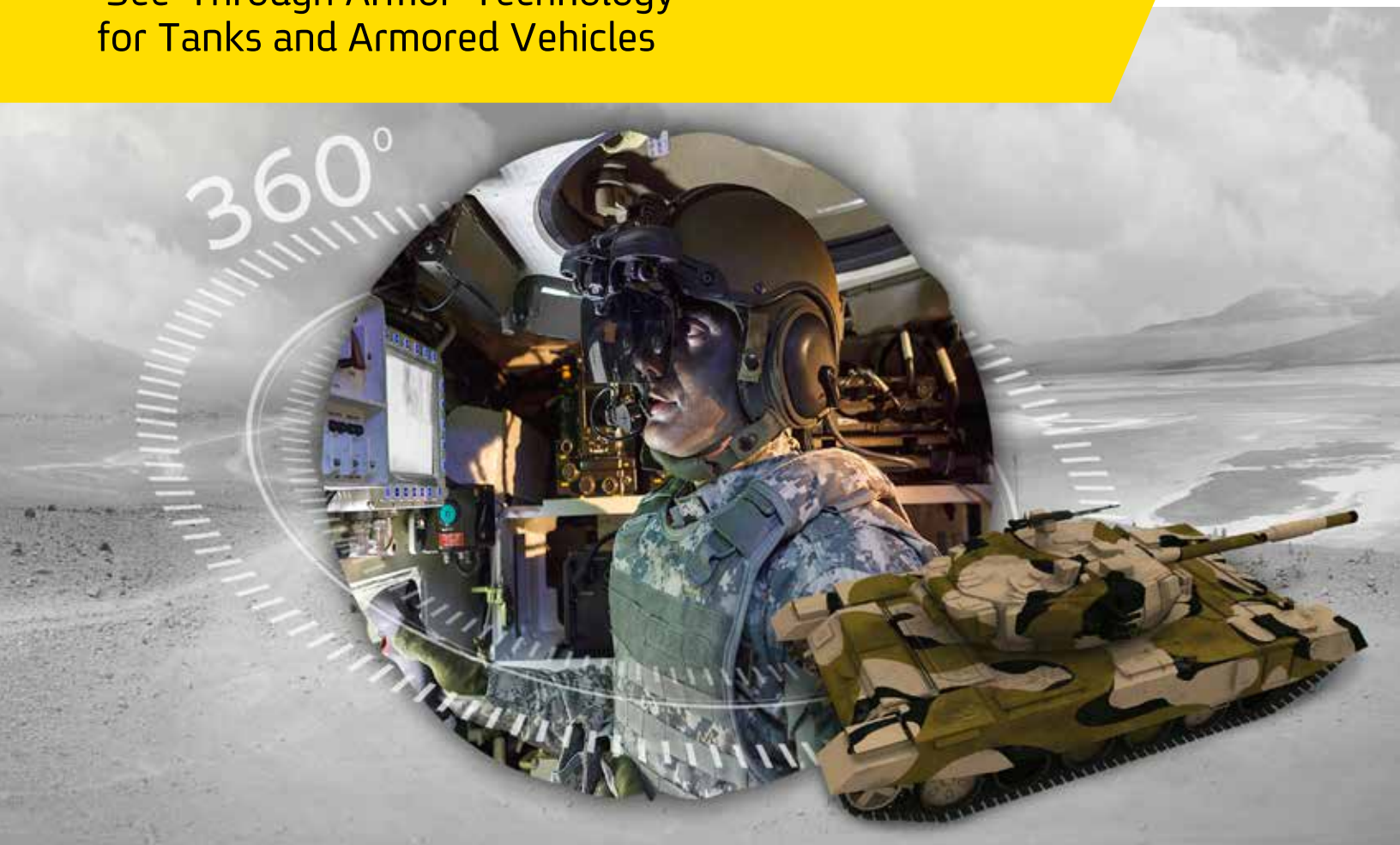


# IronVision™

'See-Through Armor' Technology  
for Tanks and Armored Vehicles



**Elbit Systems™**

Land and C<sup>4</sup>I



# IronVision™

## 'See-Through Armor' Technology for Tanks and Armored Vehicles

In an effort to resolve the shielding vs. operability conflict faced by tank crews and other armored vehicle operators, Elbit Systems applied its legacy 'see-through' aerial technology to the closed-hatched armored vehicle environment.

### Full 360° Situational Awareness Under Closed Hatches

By introducing Elbit Systems' world-renowned, aerial Helmet-Mounted Displays (HMDs) technology into the armored vehicle, IronVision generates an image that enables the crew to 'see through' armored shields. This unparalleled advancement provides 360° situational awareness, in day and night, helping the crew overcome inherent visibility limitations, while improving mission efficiency and safety.

The system transmits real-time, zero-latency, high-resolution video to the commander and/or driver display, providing them with a natural, bi-ocular, colored, HD conformal view of the vehicle's surroundings, together with relevant symbology and C4I data. At the click of a button, the video feed can be switched to display weapon sights, UAV's or any other video source.

### An Intuitive, Conformal Image of the World Outside

IronVision uses pre-loaded terrain and obstacle information combined with smart, intuitive symbology and data anchoring, to display all the information required, simultaneously to the various crew members. Leading HMD technology and an advanced distortion-correction algorithm eliminate visual distortions and resulting motion sickness often caused by the moving armored vehicle.

**By presenting the crew with a single, unified, intuitive image of the world outside the vehicle, IronVision relieves the crew of the mental load of having to interpret data from multiple sources, allowing them to utilize their situational awareness more efficiently, and focus on the successful completion of their mission, from a secured setting within the armored vehicle.**



## Key Features

- Real-time, zero-latency, high-resolution, full color video feed of the vehicle surroundings
- Seamless 360° line of sight
- Training capabilities through AR technology
- Head-tracker technology
- Intuitive symbology
- Cost-effective, lightweight and compact
- NVG-like stow mechanism
- Look-Lock-Launch
- Advanced distortion-correction algorithm eliminates visual distortions and resulting motion sickness
- Night vision

# IronVision™

## 'See-Through Armor' Technology for Tanks and Armored Vehicles

### Enhanced Training Realism

By incorporating a layer of advanced Augmented Reality, IronVision can serve as a 'true-to-life' training system. The addition of Elbit Systems' patented ARTIST™ – Augmented Reality Integrated Training System, introduces sophisticated, high-fidelity operational scenarios with extreme combat accuracy. These scenarios present an optimal, cost-effective training method for the operational crew, which until now was only possible through live training.



**Elbit Systems Land and C'I Ltd.**  
2 H'amachshev St., Netanya 42507, Israel  
E-mail: [landc4i@elbitsystems.com](mailto:landc4i@elbitsystems.com) [www.elbitsystems.com/landc4i](http://www.elbitsystems.com/landc4i)

Follow us on   