



TORCH-X[™] DISMOUNTED

AUGMENTED REALITY CAPABILITIES



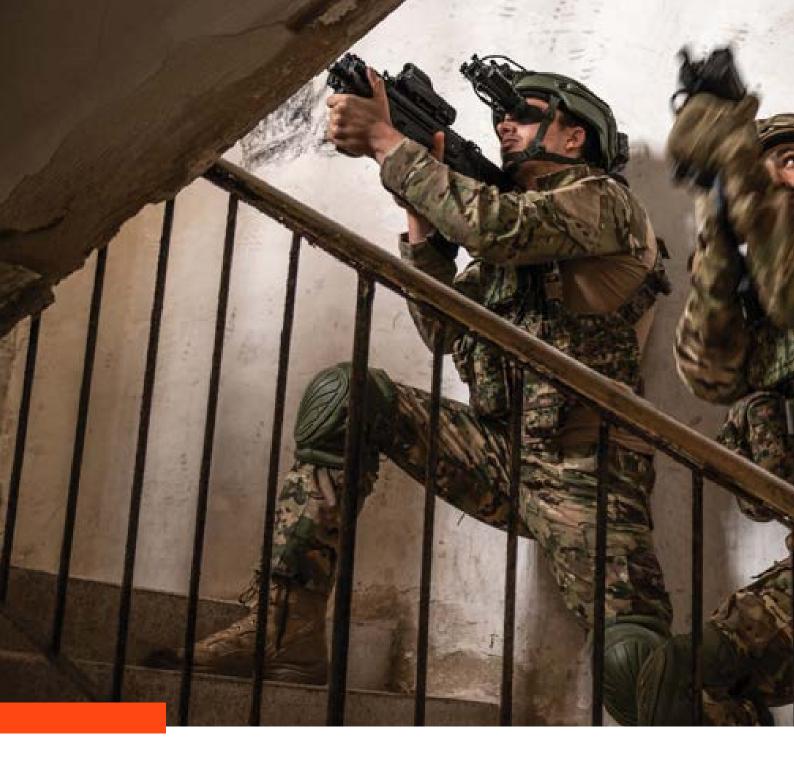
AUGMENTED REALITY CAPABILITIES

Torch-X Dismounted provides see-through situational awareness capability designed to present real-time content on display screens and wearable devices. Implementing augmented reality (AR) in the tactical domain, the solution enhances the perception of a realworld environment with supplementary audio/visual content. Symbology and imagery are overlaid on a view of the current physical environment, projected onto the screen of a mobile computing device (smartphone or tablet), head-mounted display, goggles, or other ARsupported devices.



OPERATIONAL CAPABILITIES

Torch-X Dismounted features an intuitive tactile user interface. The application provides a 360° on-screen display including blue force tracking capability, enabling the soldier to retain eye contact for situational awareness while on-themove, driving and during night operations. The application performs line-of-sight (LOS) and precise participant location and identification (PPLI) calculations. Torch-X Dismounted may be enhanced to provide instant identification and registration of images to a 3D imagery database and can integrate with the full suite of Elbit Systems' Torch-X solutions. Torch-X Dismounted is suitable for a wide range of tactical missions, enhancing the combat effectiveness, performance and survivability of dismounted soldiers.



Displaying Blue Force Tracking and Track entities in the user Field Of View

Awareness ellipse: enables the user to learn Blue Force Tracking and Enemy entities in his surrounding section

Creating a track: Elbit Systems' 3D Smart Location Algorithm enables the user to create accurate targets and distribute them to the network





Create Track

Heading (MILS)



Elbit Systems AR Dismounted Solutions











RAPTOR™

SmartEye

SmartNVG

SmartSight

Smart2Eyes





KEY FEATURES

BFT recognition
Wireless
360° display
Android-compatible
Intuitive tactile UI

Interfaces with 3rd party applications

LOS and PPLI calculations

KEY BENEFITS



Day/night on-the-move situational awareness

Integrates with Elbit Systems' full Torch-X suite/ HQ systems