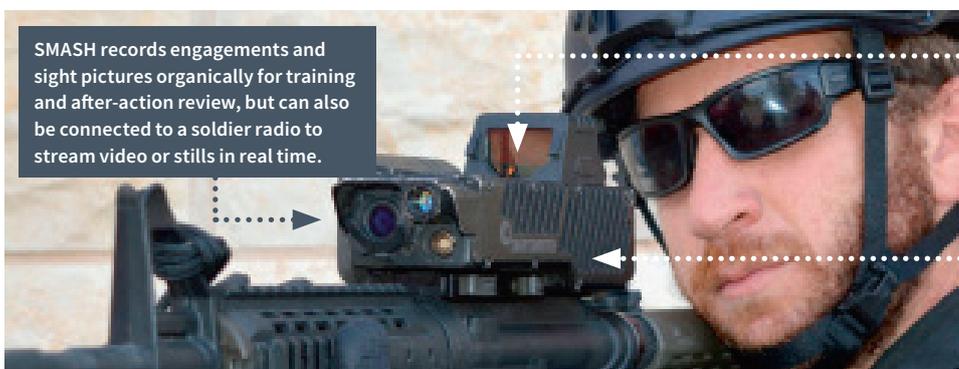


Parting Shot Smart Shooter's SMASH



Smart Shooter: I713870



Smart Shooter: I713867

The Israel Defense Forces has formally cleared a new smart weapon sight for operational deployment.

The system's developer, Smart Shooter, claims that its SMASH package is more of a fire-control system than a weapon sight and increases first-round hit probabilities by automatically predicting impact points on selected targets.

SMASH can be mounted on a variety of legacy small arms that fire standard ammunition. It comprises a red dot reflex sight and a core computing module that combines specially developed sensors and advanced software algorithms to constantly compute engagements and shooting angles.

Other components include a mechanical attachment for the weapon pistol grip and a remote, hard-wired, single button presell switch that mounts to the forestock and is used to activate and select functions on the SMASH device.

Michal Mor, CEO and a founder of Smart Shooter, told *Jane's* that "installation takes

less than 15 minutes without the need for special tools, and without the need to modify the host weapon".

Smart Shooter declined to provide exact details of how the system works, but stated that SMASH uses sophisticated image processing to automatically acquire a target from the sight's field of view and annotates the target with a bounding box visible to the user in the reflex sight.

The user selects and locks the target with the forestock switch, retaining full control, and can opt to lock the proffered target or switch to an alternative. Once the user has selected and locked the desired target, they can squeeze the trigger. SMASH prevents firing until the crosshairs are moved into the precise position on the target to fire the weapon. Onboard sensors compensate for adverse shooter effects such as movement and poor sight alignment.

Smart Shooter told *Jane's* that SMASH does not include image intensification (II), thermal imaging, or laser channels, so is entirely

passive. From a firing perspective, the manufacturer said the base weapon remains unmodified, and therefore *Jane's* believes that a mechanical attachment provides the method to inhibit the standard trigger action.

Smart Shooter told *Jane's* that the system has undergone trials with a range of end users, and in testing scenarios it has enabled faster target acquisition and higher hit rates than previously achieved using conventional red dot sights. The improvements occurred at different ranges and fire positions regardless of shooter skill level, fatigue level, or target behaviour.

Smart Shooter co-founder Abraham Mazor told *Jane's* that SMASH was developed in part to help reduce shooters' mental stress, fatigue, and the overall shooter-training burden. It aims to partially achieve this by enabling greater accuracy irrespective of basic shooter skill, but also by using the system in training as a coaching aid and by recording shooting events for later review. ■

Hugh Griffith