



FATS® 180LE Law Enforcement Virtual Training System

The FATS® 180LE

InVeris' FATS®
180LE provides 180°
immersive training
environment with
high-definition and 5.1
surround sound.

The 180° high definition
projection and 5.1 surround
sound increases the realism
of training, heightening
awareness and proper use
of force responses.



System Components

The FATS® 180 delivers true-to-life, comprehensive training and includes:

- **Screens** – 3 Borderless screens. Each screen provides 150" X 84" (16:9 aspect ratio) with borderless projection surface.
- **Hit Detection System** – 3 digital cameras interface directly with the same Off-CPU real-time (OCR) processor used by the FATS® 100LE system for an easy upgrade path.
- **Projectors** – Ultra short throw projectors provide the user greater freedom of movement within the training space while displaying stunning visuals in an 180° environment.
- **Low-Light Subsystem** (optional) – Allows users to practice in simulated low-light conditions with both hand-held and weapon-mounted flashlights.
- **Rack** – The FATS 180LE uses the same transportable rack as the FATS 100 system.
- **Surround Sound** – The self-powered audio system plays scenarios in 5.1 surround sound. Using the

directional sound effects board, the instructor can incorporate unsettling sounds from any direction, including a barking dog, crying baby, gunshots and more to elevate situational awareness.

Supported Gun/Ammo Types

The FATS 180LE supports up to 20 simulated weapons, including FATS weapons and ammunition types. Up to 4 simulated weapons can be assigned to a single user. These include:

- Rifles
- Pistols
- Shotgun
- Less-lethal – OC spray and TASER® (supported in judgmental training only)

Training Modes

The FATS 180LE supports both 3D Marksmanship and Judgmental training.

- **Marksmanship** – Displaying a vivid, realistic 3D indoor and outdoor range. The marksmanship application lets you engage close and distant targets for reactionary and/or precision shooting. The FATS 180 supports 3D targets to include Qualification, Competition, Commercial and even steel reactive targets. These targets have the ability to turn, pop-up and even move around.
- **Judgmental** – High-definition imagery is projected on every screen. As the scenario eye point moves, all screens reflect the motion. This provides an amazing immersive experience that highlights realistic conflict situations and awareness in a training environment.

Courseware

The FATS 180LE is delivered with a set of training courseware.

- **Marksmanship** – The system comes with several courses of fire, including qualification courses and marksmanship skill builders using rifles and pistols. With built-in video authoring, the instructor can create any course of fire using assets (terrains and targets) available on the system. Author training is included with the purchase of a FATS 180LE.
- **Judgmental** – The system comes pre-loaded with a variety of immersive HD video scenarios. De-escalation

and use of force training is highlighted, from less-lethal (OC spray, TASER) to lethal force.

High-Fidelity Ballistics

InVeris' FATS 180LE utilizes the same high-fidelity ballistic engine validated by the U.S. Army, U.S. Marine Corps and other military customers. This provides accurate ballistic characteristics in flight. This capability supports and enforces the proper fundamentals of marksmanship.

Size of Screen

Large 16' X 9' screens provide a wider viewing area with a smaller footprint (25' X 25'). The FATS 180LE fits into almost any space with at least a 10' tall ceiling.

Options

The following options are available to compliment the FATS 180LE:

- **Additional Flashlight** – One hand-held flashlight is supplied with the system. Additional flashlights (handheld or weapon-mounted) can be added as options with no quantity limitations.
- **Hostile Fire System** – Fires foam pellets to simulate hostile fire and force the trainee(s) to use cover.



Judgmental training highlights verbal de-escalation with lethal/less-lethal force options



Marksmanship training and shot analysis identifies errors in shooting fundamentals