DART™

Firearms Training Simulator

DART is exactly the type of firearms training we need to supplement our live-fire training.

Jeffrey Chudnow
Chief of Police at City of Oviedo

DART Core Beliefs

PORTABLE

WE BELIEVE TRAINING SHOULD GO TO THE PEOPLE, NOT THE OTHER WAY AROUND

DART was designed with mobility in mind. In fact, it's the first firearms simulator to integrate computer and optical components in a package this small. Measuring just 6x5x3 inches and weighing under two pounds, DART truly allows firearm training to take place anywhere, any time.

AFFORDABLE

WE BELIEVE CRITICAL TRAINING CAN AND SHOULD BE WITHIN EVERYONE'S REACH

In a perfect world, everyone would have access to proper training. Of course, there will always be high-end systems that push the boundaries of departmental budgets, but DART focuses on critical core firearm training at an extremely affordable price. After all, what good is even the world's best training if you can't afford to get it into the hands of the people who need it?

CAPABLE

WE BELIEVE POWERFUL AND AFFORDABLE AREN'T MUTUALLY EXCLUSIVE

Don't let its size (or price) fool you. DART is small by design, but fully loaded with great features. DART is built around a powerful firing range simulator and course creation software with more than one hundred ready-made targets. DART's Visible Weapon program allows you to interact with the inner mechanics of a pistol using state-of-art 3D graphics.

EASY

WE BELIEVE THAT SIMPLE IS BETTER THAN COMPLEX

From setting up the hardware to using the software, everything about DART was designed to be effortless. That means you'll spend your time training, not training to train. DART will never be relegated to the closet because the person who knew how to use it is not available. Even our user manuals and pricing structure is simple, because simple is better.

DART Benefits

ADVANTAGES OF SIMULATOR TRAINING

The use of simulated weapon training is not new. In one form or another, such systems have been around for decades. And while simulation training is not meant to replace live-fire practice, it does offer a number of important benefits including:

• Increased trigger time, improved marksmanship, confidence, and gun handling.
• A completely safe training environment free of live ammunition, excessive noise, and lead pollutants.
• A reduction in ammunition usage and accompanying cost savings associated with live-fire ranges and maintenance.
• Indoor training can occur any time of day - no matter what the weather conditions might be outside.
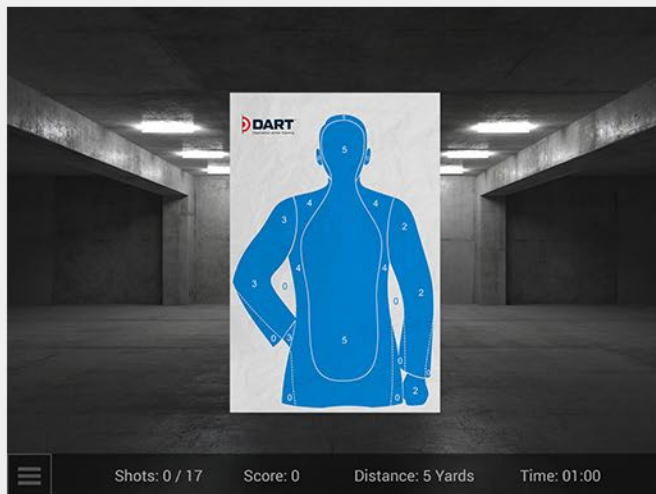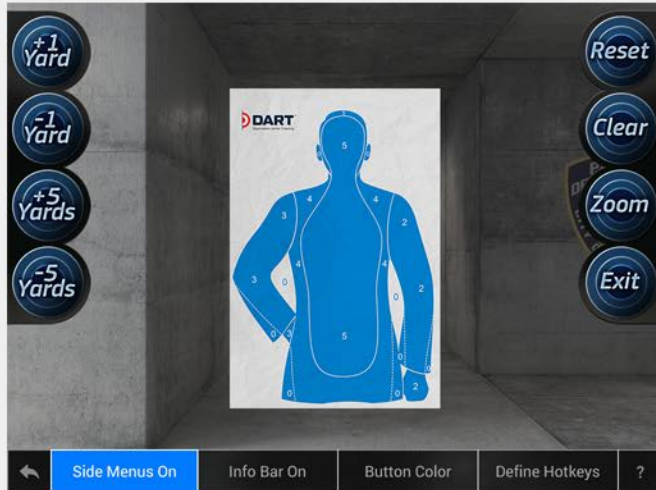
BENEFITS OF THE DART SYSTEM

Despite their many benefits, firearms training simulators tend to be large, complex, and priced far outside the reach of all but the most well-funded organizations. Digimation changes that with DART – a new simulation trainer designed from the ground up to be different. DART offers all of the advantages of a typical firearms training simulator with these added benefits:

• DART is extremely portable, making it easy to transport, set up, and store.
• DART is priced to be affordable for any size department. A complete turnkey system is less than $5,000.
• DART focuses on pre-marksmanship and marksmanship skill building. That type of focus breeds a rich feature set.
• DART is easy to use - from setup to creating your own courses of fire - everything is designed to be effortless.
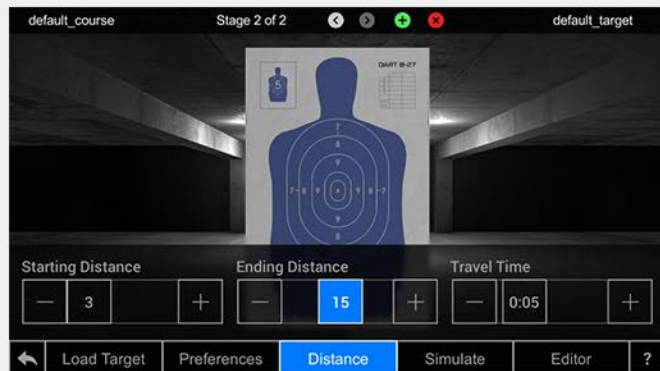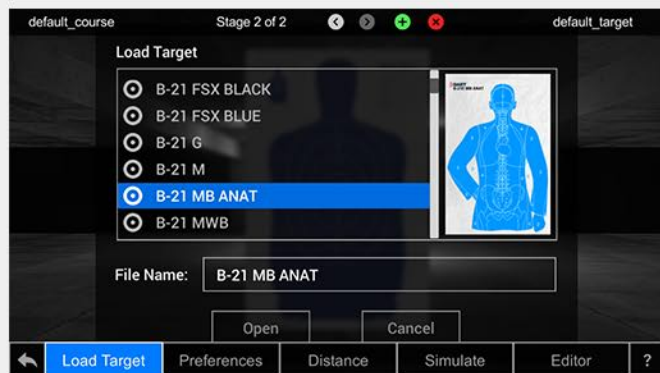
DART Range

FIRING RANGE SIMULATOR

Just because DART is small, doesn't make it light on features. DART Range uses the latest 3D technology to simulate a live-fire range with a wealth of options including:

- Load an unlimited number of courses created in DART Creator
- Independently adjust gunshot, zone hits, and ambient sound volumes
- Side menus allow you to "shoot" most used options
- Adjust the color of the menu system
- Every option can be controlled by user-defined keyboard shortcuts
- Practice mode allows for quick and easy training
- Context-sensitive help
- Simple and fast calibration process
- Fine tune the aim of laser weapons
- Controllable through keyboard/mouse, tablet, and smart phone
- Simulated recoil forces the shooter to reacquire the target between shots
- Targets turn and travel at variable speeds
- Use over 100 preloaded targets or create your own
- After-action review shows detailed shot placement information

DART Creator

TRAINING YOUR WAY

We understand that different trainers use different methods for teaching principles of marksmanship. That's why we put so much effort into developing DART Creator, which allows you to develop courses of fire specific to department training objectives. Courses are made up of one or more stages – each with its own graphics, target, scoring options, and rules.

COURSES

Course options allow for loading and saving courses, setting course score requirements, and countdown preferences.
• Save an infinite number of courses of your own design
• Set the length of the initial countdown sequence
• Toggle on/off audio and visual cues during countdown

STAGES

Each course is made of an infinite number of stages with each stage having its own visuals, instructions, and requirements.
• Select from over 100 ready-made targets
• Use simulated recoil to shift the target between shots
• Set target starting distance, ending distance, and travel time

RULES

Each stage can have its own set of rules and requirements such as the maximum amount of shots or time allowed to complete a stage, or the exact areas of the target which must be hit in order to pass a stage.
• Limit the number of shots and time per stage
• Require any number of hits to particular zones of a target
• Set minimum passing scores for each stage

◗ DART Visible Weapon

VISIBLE WEAPON

Visible Weapon software comes standard with every DART system and is designed to familiarize the user with the mechanics of a weapon including its individual parts, function, and cycle of operation. Using leading-edge 3D graphics and interactive animation, Visible Weapon communicates information visually in a way that improves comprehension and understanding. Visible Weapon is a DART exclusive and isn't available with any other firearms simulator at any price.
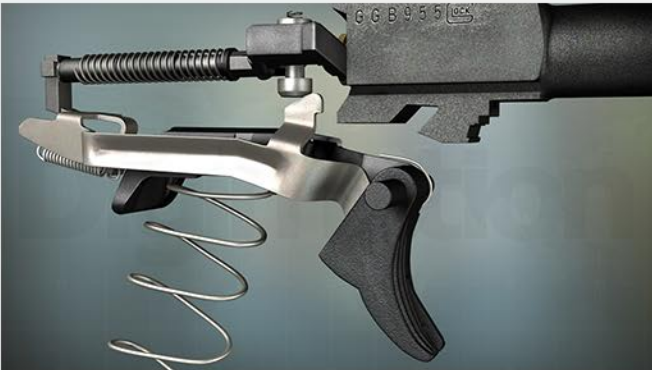
X-RAY VISION

Using Visible Weapon's innovative Parts Explorer, individual parts can be visible, hidden, or rendered in x-ray mode. This allows the user to customize their view to reveal the inner mechanics of the firearm in a way impossible to do in the real world.

CYCLE OF OPERATIONS

The cycle of operations shows the precise movement of each part during firing, ejecting, and reloading sequences. Hide and isolate any part – or group of parts – during an animation sequence for an unprecedented understanding of the mechanics behind the weapon.

HIGH-FIDELITY 3D GRAPHICS

Not only do the parts have accurate dimensions, they look real as well. This creates more compelling training and helps the user more easily make the transition from simulated training to hands-on practice using the actual equipment.

The next big advancement in firearms training is something small.

DART™
dartrange.com