

EHART

EXPLOSIVE HAZARD AUGMENTED REALITY TRAINER



OTHER EQUIPMENT

EHART (Explosive Hazard Augmented Reality Trainer)

Applications

Handheld
Training equipment

Types

Metal detectors (MD)

Last update

01/01/1970

General description

EHART is a spatial computing solution that combines realistic, 3D ordnance models with immersive augmented and virtual reality environments. Trainees can interact with life-sized, geospatially anchored explosives, IEDs, landmines, and ordnance scenarios—all within a safe, repeatable, and scalable digital environment. It allows users to:

- Identify and assess threats using AR overlays on real-world terrain
- Practice UXO and IED disposal procedures
- Simulate reconnaissance, approach, and tool deployment
- Learn ordnance functioning and fuze mechanisms in detailed cutaway views

Key Features

- Immersive AR Training:** Use mobile devices or headsets to view and interact with 3D explosive hazard models in real-world or simulated terrain
- Real Ordnance Library:** Built from open-source intelligence and photogrammetry, with expanding models of munitions from around the world
- Scenario Editor:** Create custom training scenarios, position ordnance in space, and simulate different threat environments
- Data Collection & Feedback:** Record trainee performance, timing, and decisions for debriefing or certification
- Offline Capability:** Designed for field deployment, even in austere or offline environments
- Cost-Effective & Scalable:** Reduces reliance on costly physical training aids, inert ordnance, or access to live training ranges

Why It Matters

Traditional EOD and demining training is often constrained by logistics, cost, safety risks, and access to inert ordnance. EHART helps solve these challenges by offering:

- Higher retention rates through hands-on interaction
- Faster, repeatable training at reduced operational cost
- Support for global teams in resource-limited environments

Working characteristics

(1) Meta Quest 3 headset
EHART Application License
(1) Hard Side Case
Dedicated Program Support
Lifetime Purchase or Subscription options
(3) Yearly Subscriptions to the EOD Ordnance Library mobile app
Ability to define how training looks for your organization

Dimensional data

Length	192 mm
Weight	1 kg
Transport case provided	1
Transport case information	Hard Side Case
Transport case weight	1.7 kg
Case dimensions	35.99 x 26 x 14.39 cm

Factory support data

Warranty	2 year warranty for manufacture defects
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Price

Base price	8000 €
Reduction for higher quantity	Humanitarian discount available. Please contact info@eodynamics.co for more information
Possible to rent	1
Price for training	Virtual onboarding is provided free of charge and in person onboarding is possible. Travel costs may vary, please contact info@eodynamics.co or visit our website at eodynamics.co for more information.

Other information

Images



