

X1 Simulator

Large scale immersive simulation for team training
Individually designed to meet unique
implementations

The Endeavor X1 Simulator combines an immersive operator experience with realistic operator controls. Surrounded by high resolution graphics and true to life audio, the X1 Simulator provides interactive training for new and experience operators. Combining Endeavor's industry leading computational software models, fluid dynamics and an extensive library of training modules, students will be trained to react quickly to real world incidents.

Endeavor Technologies software defines the simulation experience. Content is consistently updated to meet demands of the latest well control practices, allowing trainers and students to stay current with industry advancements. with an emphasis on industry leading graphics, students are presented with a realistic environment to complete simulations in a non-graded practice session, or in a graded scenario that meets the standards of IWCF and IADC.

To ensure that students grasp critical concepts, Endeavor takes a unique approach by randomizing malfunctions or by giving an instructor control from a remote station. This allows a true, unbiased training environment that is consistent to ad hoc incidents that can occur in the field.

In addition to individualized training, multiple students and instructors can join into a single simulation for team collaboration. Crews can be tested together to ensure compatibility prior to engaging in work environments.

As with all Endeavor Hardware Simulators, the software engine driving the simulations are consistent across all Endeavor products. This allows students to focus their learning on the most important area, the learning content so that competency can be achieved.

With the X1 Simulator, immersive operation simulations can solidify concepts and train students anytime, anywhere in the world.



Benefits

- Full immersion with a customizable video wall or projection dome
- Designed for permanent installations that can be designed to fit the facility
- Large form factor to promote team learning
- Realistic joystick and switch controls to replicate real world equipment
- Networkable to integrate multiple simulations to a single instructor
- Touch screens to communicate with workers on the rig floor and initiate actions
- Interactive modules to engage students
- Customizable well plans for various geographic locations
- Graded and non-graded scenarios
- Customizable modules tailored to an organization's policies and procedures
- Consistent simulation software with the entire Endeavor product line
- Interoperability with Endeavor.One online platform for continuous professional development

Product Specifications*

Package Includes

- Operator Chair
- Optional: 2nd Operator Chair
- Customizable Video Wall with 46", 55" or 70" monitors
- (2) Interactive 70" or 55" free standing monitors
- Left Arm Rest Integrated UI Touch Screen
- Right Arm Rest Integrated UI Touch Screen
- Arm Rest Joysticks, Switches, and Buttons
- 8-Port Network Switch
- Simulation PC
- Cable Bundle
- Backup Power Supply
- Equipment Enclosure
- Optional: Instructor Kiosk with PC and 27" Touch Screen

Chair Specifications

- 1360mm W x 1066mm D x 1371mm H
- 45 Kg
- Head Rest
- Back Rest
- Tilting Up to 35°
- Driller Armrests
- Leg Rest
- Customized Logo Engraving
- Cupholder

Visual Specifications

- Customizable based on facility design

Left Arm Rest Touch Screen

- 292mm W x 8.5mm D x 201 Mm H
- Resolution: 2736 x 1824
- Touch: 10-Point Multi-Touch
- I5 Intel Core Processor
- 128gb SSD

Joysticks

- Multi-Axis Left Joystick
- Multi-Axis Right Joystick

Right Arm Rest Touch Screen

- 292mm W x 8.5mm D x 201 Mm H
- Resolution: 2736 x 1824
- Touch: 10-Point Multi-Touch
- I5 Intel Core Processor
- 128gb SSD

Network Specifications

- IPv4 and IPv6 Support
- 1 x 10/100/1G Ethernet

Typical Operating Voltage/Power

- 100-240v ~ 50/60Hz
- Auto Sensing Power Supply

Warranty

- One Year Standard Warranty
- Maintenance Contracts Available Annually or on Three-Year Commitments

Environmental Specification

- Operating Temperature: 0 to 40° C
- Operating Humidity: 15 to 80%
- Maximum Altitude: 3,000m

Shipping Dimensions

- Dependent on Facility Design

*Product Specifications subject to availability