# CAE**CathLabVR**

## Risk-free training in a redesigned portable virtual environment

Practice endovascular diagnostic and interventional procedures with CAE Healthcare's newly redesigned CathLabVR interventional simulator. Learners can navigate catheters, wires, balloons and stents through the simulator's virtual anatomy, which incorporates 3D graphics and real patient data. CathLabVR is a portable, modular system that can grow with your education program without the need to purchase new expensive hardware.

CAE CathlabVR includes a range of basic to complex cases and endovascular procedures to help develop proficiency. Learners can perform Trans-catheter Aortic Valve (TAV) placement, carotid artery angioplasty and stenting and more to gain confidence for procedures performed in the catheterization lab.
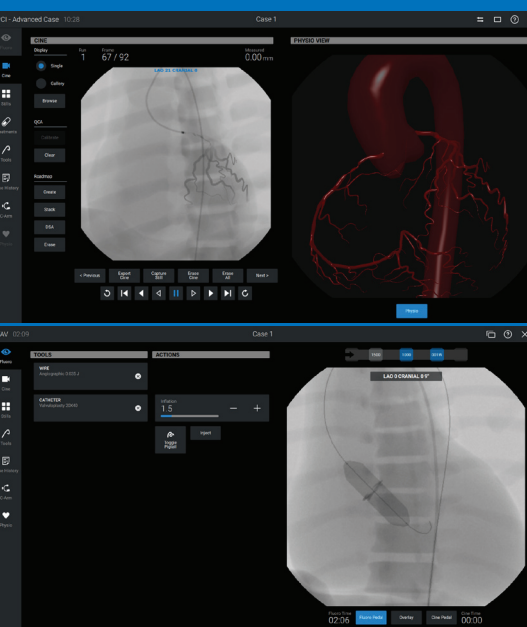
**Your worldwide training partner of choice**

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# Technical Specifications

**Standard Equipment**
CathLabVR Simulator
CathLabVR software interface
HP OMEN laptop
Endovascular generic CRM tool kit
Endovascular generic cardiovascular toolkit
Venogram balloon kit
Vascular contrast kit
Electronic user guide
CAE Assurance Plan with software updates



**Learning modules included**
Basic Percutaneous Coronary Interventions (PCI) Module
Trans-catheter Aortic Valve (TAV) Module
Advanced PCI Module
Carotid Interventions
Cardiac Rhythm Management Module

**Dimensions**
Transport case: 14.5"H x 25.4"W x 20.0"D
  (37cm x 65cm x 51cm)
Laptop: 2"H x 17"W x 12"D
  (5cm x 43cm x 31cm)
Simulator box: 4.7"H x 10"W x 19"D
  (12cm x 25cm x 48cm)

**Weight**
Transport case with equipment:
  46 lbs (21 kg)
Simulator box: 10 lbs (4.5 kg)

**Ambient Temperature Range**
Operating: 5°C - 49°C (41°F - 120°F), with
  humidity of 40% - 80% non-condensing
Transport: -24°C - 49°C (-11°F - 120°F), with
  humidity of 0% - 90% non-condensing

**Electrical**
Simulator box: AC 100/240VAC, 50/60Hz
Consumption Maximum: 160W

## Key Features

- Modular system allows convenient feature upgrade or expansion of hardware functionality
- Easily swap out modules to configure system for your educational requirements
- Realistic physiological responses and realistic fluoro images
- Supports modified endovascular tools including catheters, pacing leads, guide wires, and embolic protection devices
- Four different tracking modules for guidewires, 5" French catheter, 10" French catheter, 15" French catheter
- 3D fluoroscopic view of coronary anatomy
- Dual foot pedals plug to show fluoroscopic and cine view
- Contrast syringe and tubing
- Comprehensive performance metrics, including procedure time, angiography metrics, fluoroscopy metrics, images taken, a complications log (time stamped), and an overall procedure log that time stamps every action performed during the simulated procedure.
- Recorded metrics provide analytical feedback for post-case debriefing

System is modular with the following content options:
- Percutaneous Coronary Interventions
- Transcatheter Aortic Valve Implantation (TAV)
- Advanced Percutaneous Coronary Interventions
- Carotid Interventions
- Cardiac Rhythm Management

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