

A photograph showing four emergency responders in uniform training with a CAE Ares manikin lying on a yellow and black stretcher. The manikin is positioned on a grassy area with a red fire truck in the background. A blue text box is overlaid on the left side of the image.

## CAEAres

An emergency care  
manikin you can  
rely on

### CAE Ares: Built to withstand the rigors of emergency care team training

CAE Ares has the streamlined simplicity of an emergency care manikin and is available with CAE's unrivaled modeled patient physiology to offer an entirely new training experience for prehospital and emergency care providers. With CAE's unique SymEyes technology, two-way communication and the perfect blend of clinical training features, CAE Ares is durable and reliable through repeated simulations to fulfill requirements in advanced life support (ALS), advanced cardiac life support (ACLS), and other protocols in emergency patient management.

### Elevate training with AresAR

Add the Microsoft HoloLens 2 module and CAE Ares becomes AresAR, a pre-briefing tool that offers immersive experiences through holographic representations of anatomy. AresAR provides mixed-reality training in six of the most frequently encountered emergency scenarios - Sepsis, Ischemic CVA, Myocardial Infarction, Pulmonary Embolism, Tension Pneumothorax, and Closed Head Injury.

Discover how CAE Ares can help redefine your training expectations at [caehealthcare.com/ares](https://caehealthcare.com/ares)

Your worldwide  
training partner  
of choice



# Technical Specifications

## Standard Equipment

- CAE Ares wireless and tetherless manikin:
  - Medium and dark skin tone available
  - Male and female gender configuration
- One wireless StethoSym
- Instructor tablet computer
- CAE Maestro software suite - instructor-driven (manual mode) only
- One CAE Maestro Standalone license for Windows
- One license for Ares Learning Experience a mobile app with educational content focused on the six Simulated Clinical Experiences (SCEs) including:
  - Pre- and post-test questions
  - Study cards on pathophysiology, assessment, management and clinical pearls
- Includes 6 CAE Simulated Clinical Experiences (SCEs)
  - Cardiopulmonary Arrest
  - Closed Head Injury and Pneumothorax
  - Heroin Overdose
  - Inferior-Posterior Myocardial Infarction
  - Sepsis with Hypotension
  - Stroke
- Single year CAE Express Assurance warranty

## Optional Equipment

- Patient monitor computer
- AresAR Software License
- Microsoft HoloLens 2
- SymDefib external defibrillation box
- Complete wound module
- Post mastectomy module
- Breast exam module
- Articulated arms
- Ultrasound training model insert for venous and arterial cannulation and infusion
- Additional StethoSym units
- STOPS Blood Pumping System
- STOPS Hyper-Realistic Moulage Kit

## Optional Software

- Five additional CAE EMS Learning Modules (10 SCEs per module)
- ACLS Learning Module (11 SCEs)
- Ares Learning Experience mobile app – Individual licenses
- Physiological Modeling Option for Maestro

## Manikin

- 64" H x 20.5" W x 10" D (162.56 cm x 52.07 cm x 25.4 cm)
- Approximate Weight = 50 lbs. (22.7 kg), varies depending on options

## Electrical

- AC Input: AC 115-230VAC, 50/60Hz
- Internal Batteries: 15V 3.20 Ah Lithium ion, rechargeable
- Runtime: Approximately 4 hours

# Key Features

## Neuro

- Tristate pupils (Base)
- SymEyes (Advanced and Complete)

## Articulation

- Realistic articulation of hips, knees, ankles, and shoulders
- Cervical motion for practice of patient stabilization

## Airway

- Bag-valve-mask (BVM) ventilation
- Orotracheal and nasotracheal intubation
- Placement of various airway adjuncts
- Retrograde and Fiberoptic intubation
- Transtracheal jet ventilation
- Needle and surgical cricothyrotomy
- Tracheostomy
- Detection of right-mainstem intubation
- Stomach distention with esophageal intubation
- Laryngospasm (manual)

## Breathing

- Spontaneous breathing
- Bilateral and unilateral chest rise and fall
- Lung auscultation sites on anterior chest
- Upper airway sounds
- Bilateral needle decompression

## Cardiac

- 4-lead ECG monitoring with real equipment
- 12-lead dynamic ECG display
- Defibrillation, cardioversion and pacing using live equipment via external defib box (optional on Base and Advanced configurations)

## Urinary

- Urinary catheterization without fluids
- Interchangeable genitalia

## IM Medication Administration

- Four intramuscular injection sites

## Circulation

- Unilateral blood pressure measurement by auscultation and palpation
- Bilateral carotid and femoral pulses
- Unilateral radial and brachial pulses
- Variable pulse strength

## CPR

- Compliant with 2015 AHA guidelines and ERC guidelines
- CPR compressions generate palpable pulse, blood pressure, waveform and ECG artifacts
- Realistic chest compression depth and resistance
- Software metrics detects hand placement, rate and depth of compressions, recoil, ventilations and ventilation: compression ratio

## Vascular Access

- Unilateral IV cannulation at antecubital and dorsum of hand
- Blood draw with vacuum sealed blood collection system
- Unilateral (humeral) IO access
- Ultrasound training module insertion for venous and arterial cannulation (optional)

## Sounds

- Auscultation of normal and abnormal heart, lung and bowel sounds with the StethoSym device
- Prerecorded speech and vocal sounds
- Bidirectional audio communication between manikin and operator

## Software

- Intuitive simulation authoring and control
- Customizable checklists
- Detailed debriefing logs
- Simulated patient monitor

	BASE	ADVANCED	COMPLETE
Manikin	✓	✓	✓
StethoSym	✓	✓	✓
SymEyes		✓	✓
SymDefib	Add-on	Add-on	✓
One Maestro Standalone License (Manual Mode)	✓	✓	✓
Accessories Available	✓	✓	✓
Ultrasound module for venous cannulation	✓	✓	✓