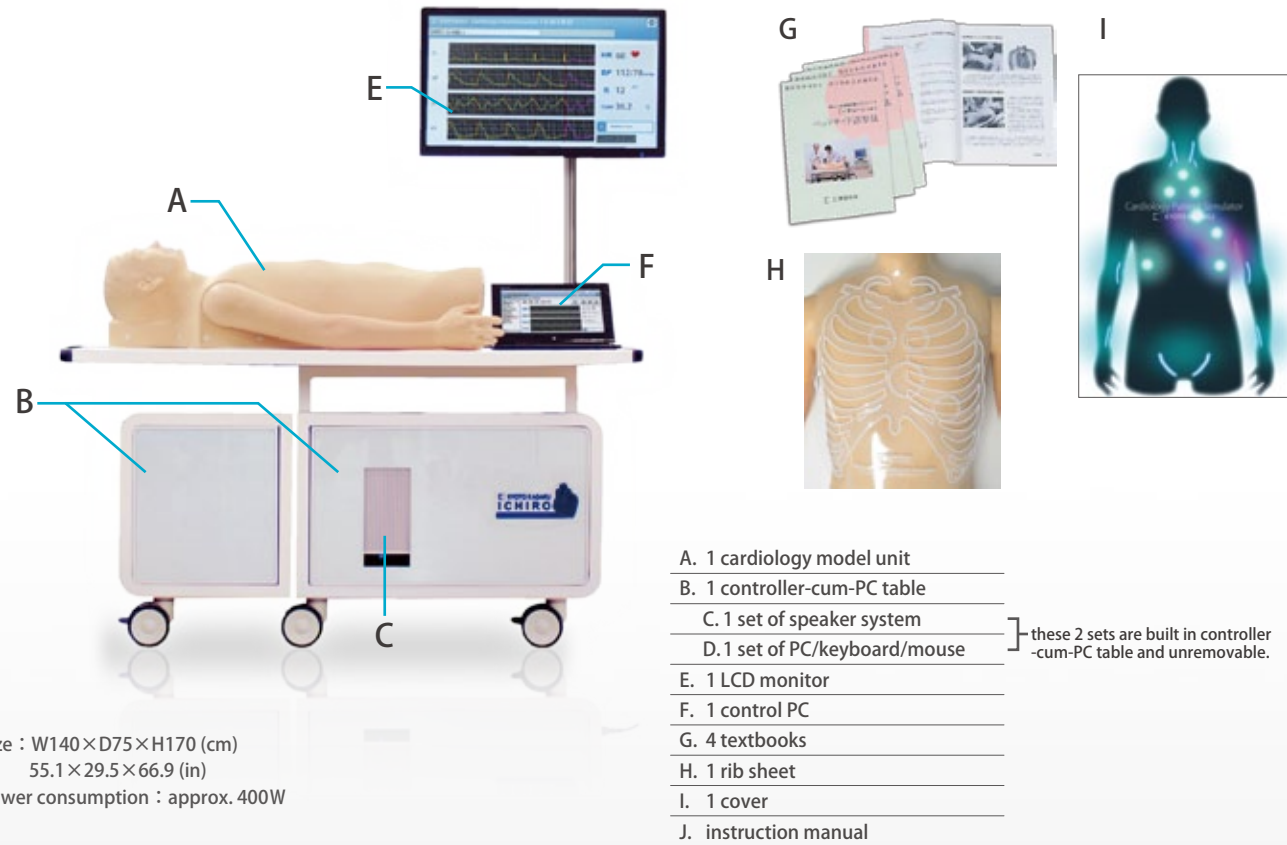


## Descriptions



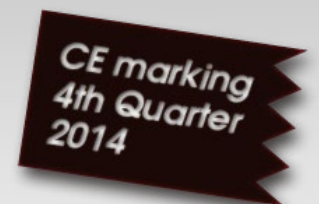
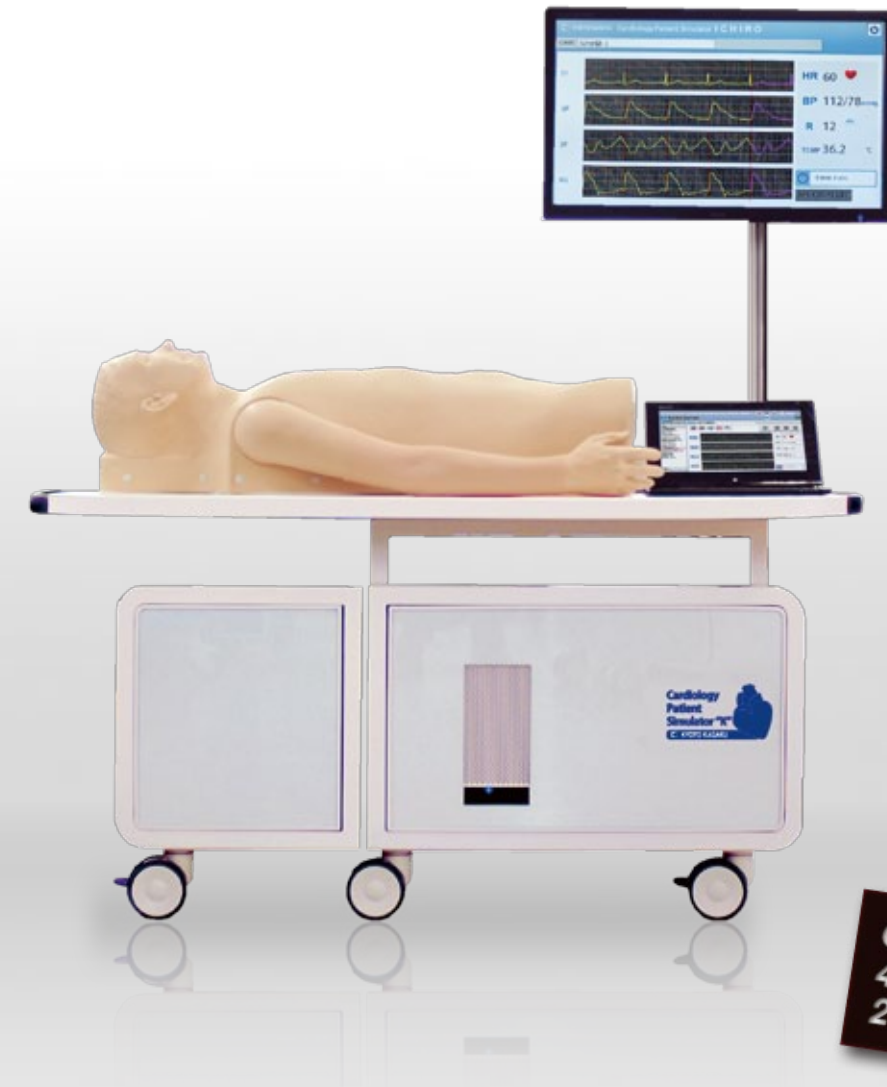
Size : W140×D75×H170 (cm)  
55.1×29.5×66.9 (in)  
Power consumption : approx. 400W

- A. 1 cardiology model unit
  - B. 1 controller-cum-PC table
  - C. 1 set of speaker system
  - D. 1 set of PC/keyboard/mouse
  - E. 1 LCD monitor
  - F. 1 control PC
  - G. 4 textbooks
  - H. 1 rib sheet
  - I. 1 cover
  - J. instruction manual
- these 2 sets are built in controller-cum-PC table and unremovable.



## Cardiology Patient Simulator "K" ver.2

Production Supervision : Japanese Educational Clinical Cardiology Society









"K" , the well-known model to world' s educational institutes for over 20 years, is upgraded for more efficient and effective cardiac clinical training.

Observation

Auscultation

Palpation

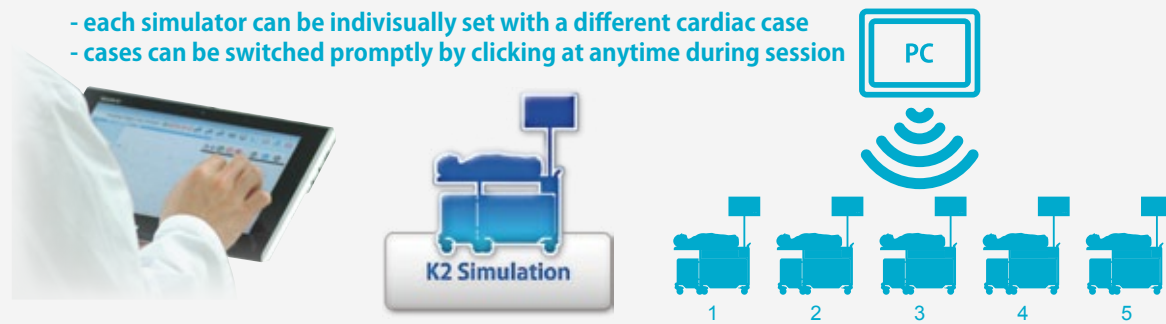
# Cardiology Patient Simulator "K" ver.2

-  Remote & Wireless Control
-  Touch screen
-  Error Indication System
-  Multiple Operation
-  Playlist Maker
-  Only one connection

## 1 Up to 5 simulators at one time OSCE, group session and scenario based simulation

Up to five Simulator "K" units can be controlled by one wireless control PC. This is the key innovation that is waited for a long time.

- each simulator can be individually set with a different cardiac case
- cases can be switched promptly by clicking at anytime during session



## 2 Playlist Maker Playlist facilitates trouble-free training

Choose up to 10 cardiac cases from 88 examples to make a playlist.



Playlists can be created by two ways:

- 1 Manually by setting running time for each chosen case.
- 2 By saving a particular session with multiple cases.

## 3 Ready-to-use Simple connection



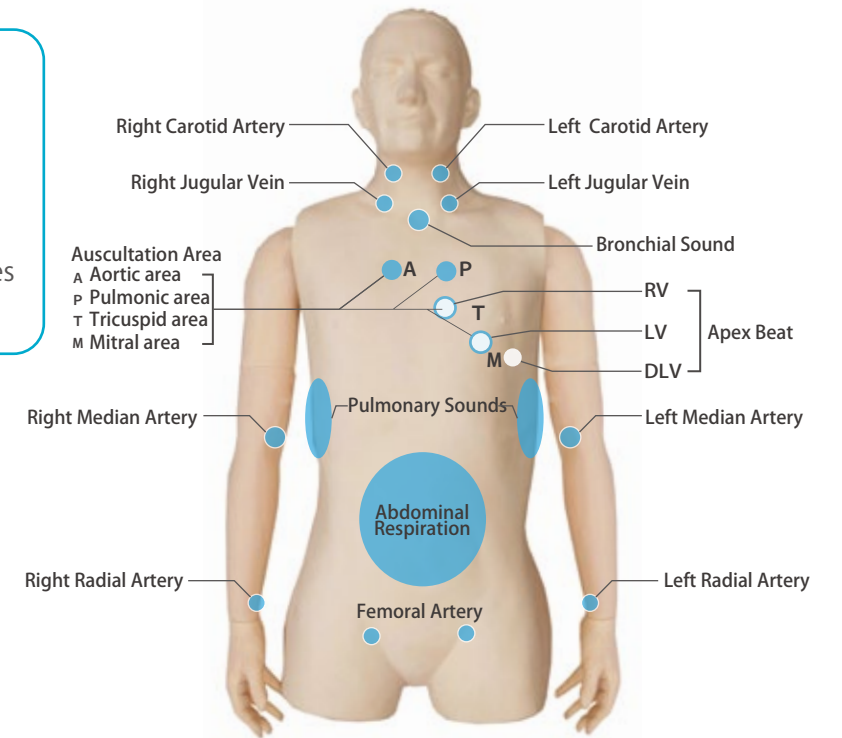
## 4 Error Indication System

The error indication system facilitates maintenance of the system to keep Simulator "K" units always at its best condition. Troubles and errors in speakers, pulses and apex beats are warned on screen. History of system conditions is automatically recorded for reference.



### Training Skills

- Observation of jugular veins
- Palpation of arterial pulse at 8 sites
- Auscultation of heart & lung sounds
- Visual exam & palpation of apex beat at 3 sites
- 88 Electrocardiograms



### Heart Sounds and Murmurs

In all cases, listening can be performed at the four primary cardiac auscultation sites (Aortic, Pulmonic, Tricuspid and Mitral). Auscultation of first sound (S1) and second sound (S2) can be learned in relation to synchronized electrocardiogram, arterial pulses and jugular venous waves.

- Auscultation area
- A Aortic area
- P Pulmonic area
- T Tricuspid area
- M Mitral area

### Observation of Jugular Veins

Pulsation of jugular venous waves can be observed on both sides. The strength and timing of "a" and "v" waves vary with cases.



### Palpation of Pulse at 8 sites

The carotid, medial, radial and femoral arteries are palpated at eight sites on the manikin. Slight variations of the arterial pulse waves under different cardiac conditions or arrhythmias can be detected by palpation.



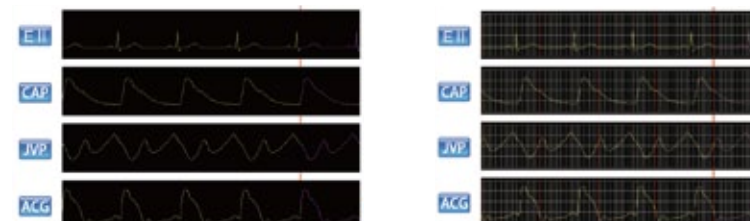
### Palpation of Cardiac Impulses

Cardiac impulses are palpated at sites of Right Ventricle, Left Ventricle and Dilated Left Ventricle.



### Monitoring Screen

Dynamic Charts of Electrocardiogram (ECG), Jugular Venous Pulse (JVP), Carotid Arterial Pulse (CAP) and Apex Cardiogram (ACG) can be displayed. Each chart can be freeze-framed for in-depth learning. Case explanation windows for self directed learning are provided.



### Phonocardiogram

Tracheal and bronchial breath sounds and abdominal movement are simulated to facilitate understanding of respiratory related phenomena such as Ravello-Carvallo sign, respiratory splitting and timing of murmurs.