

Autostereoscopic 3D VR Interactive All-in-one Machine

— User Manual —

Model K1-800



① Copyright Notice

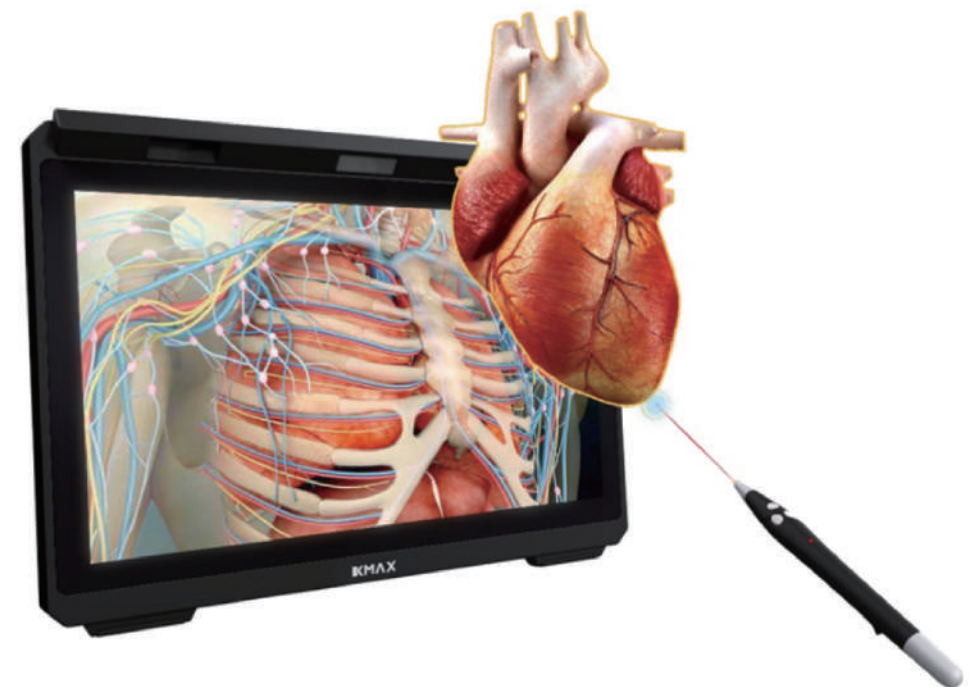
Thank you for purchasing the autostereoscopic 3D VR interactive machine produced by our company. All the copyright of all parts of this product, including accessories, etc. is owned by our company, and no unit or individual shall copy, or translate in any way. The company reserves the right to modify and update this user manual due to the improvement of product performance, and the content will be updated without notice. If you encounter anything not covered in this manual or have any questions during use, please contact the company or the supplier. All the specification of the machine is subject to the available product.

Before you use this product, please be sure to read this user manual carefully and keep it properly.

In order to make you master the use of the autostereoscopic 3D VR interactive machine faster, we have specially written this user manual for you, and we strive to be comprehensive and concise in the user manual of the product. You can get information about the configuration of the desktop autostereoscopic interactive machine and the use of the operating system.

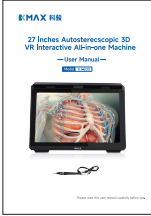
We suggest that you must read carefully before using this product, which will help you to better use this product, if you fail to operate in accordance with the requirements of the user manual, our company will not be responsible for the loss caused!

② Design Sketch of K1-800

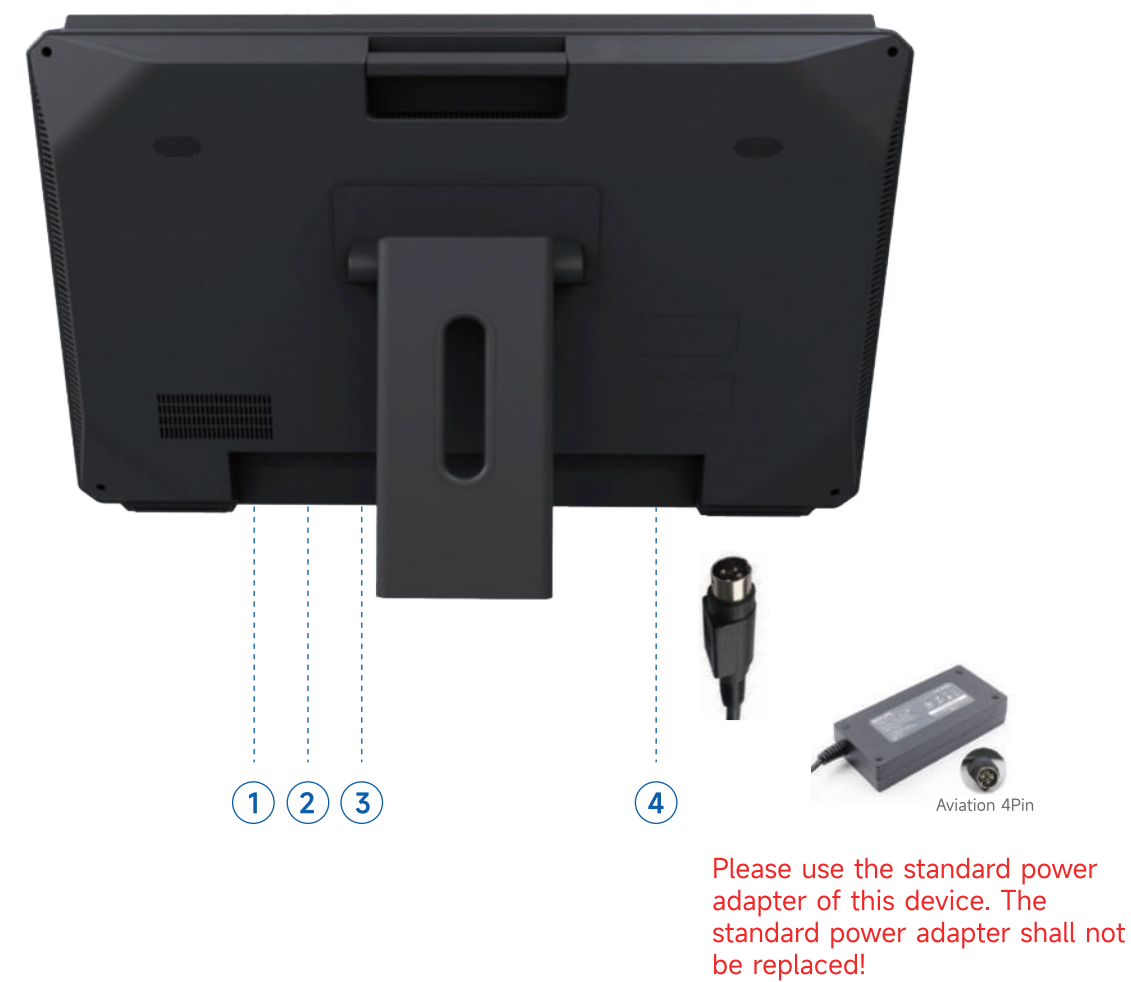


③ Packing List

Please check all components in the packing box carefully and keep the transport documents, packaging box, etc. If this product is damaged during transportation, please contact your supplier timely for replacement. The packing list is as follows:

 • Device x1 pcs	 • Stylus x1 pcs
 • Adaptor x1 pcs	 • AC Power Cord x1 pcs
 • Keyboard x1 pcs	 • Mouse x1 pcs
 • User Manual x1 pcs	 • Certificate of Inspection x1 pcs

④ Wiring diagram



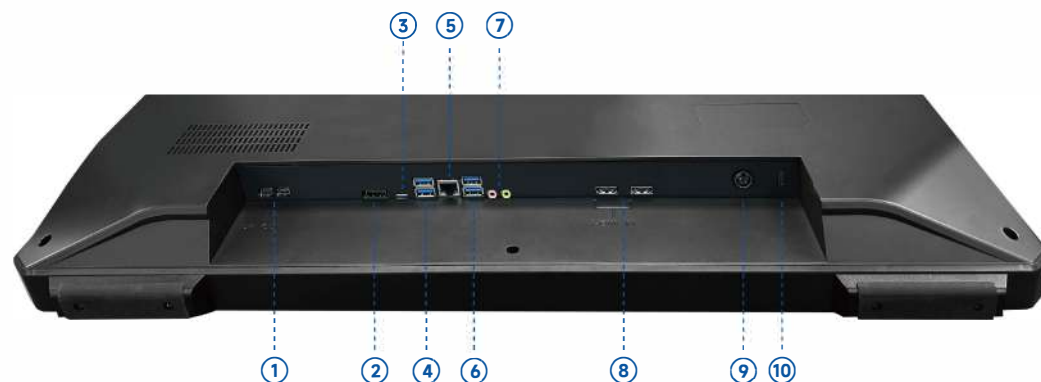
- ① DP or Mini DP interface, you can connect another display device according to your needs, such as: teaching integrated computer interactive panel, display, etc
- ② Connect to USB devices, such as interactive pens, keys and mice
- ③ Connect to a Gigabit network cable
- ④ Aviation DC powerutlet with 19.5V power adapter

⑤ Product function & parameters

5-1 Host side port & button functions



5-2 Host bottom port & functions



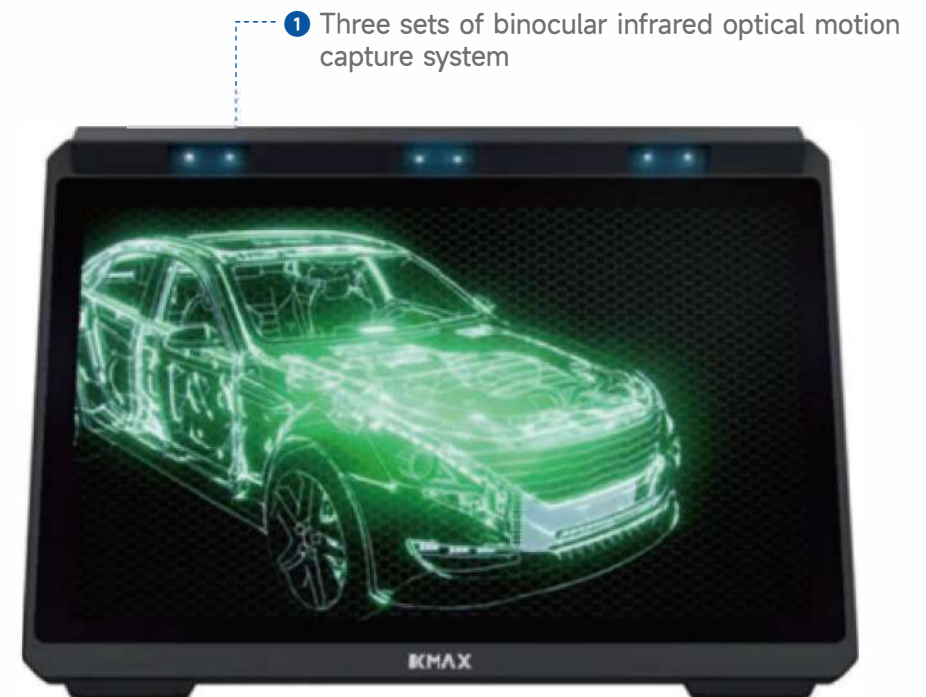
- ① Graphic card signal source output (miniDP*2)
- ② HDMI Out*1
- ③ Type-C*1
- ④ USB3.0*2
- ⑤ Gigabit wired network port
- ⑥ USB3.0*2
- ⑦ Line Out*1 Mic In*1
- ⑧ HDMI In*2
- ⑨ DC power input
- ⑩ Type-C*1

5-3 Naked-eye 3D display system functions & parameters

- 5-3-1 Display size: 27 inches, Resolution: 3840*2160, Display System Refresh Rate : 60hz;
- 5-3-2 Without wearing 3D glasses, you will see the high - fidelity 3D display screen;
- 5-3-3 Using the switchable liquid crystal grating naked eyes display technology, support left to right format, 2D + Z signal spurge;
- 5-3-4 27 inches Capacitive touch screen; support 10 points touching simultaneously, touch delay ≤ 10 ms;
- 5-3-5 Software controlled automatic 2D/3D working mode switching function;

5-4 Infrared optical motion capture system

- 5-4-1 Introduction of infrared optical motional capture



5-4-2 Infrared optical motional capture function & parameters

- ① Three sets of binocular synchronous infrared optical tracking cameras, single camera maximum resolution support :2560*1080;
- ② Infrared optical motional capture tracker use USB data cable connect with computer, data transmission stability;
- ③ Electrical characteristicsL rated voltage: 5.0V (USB power supply);

5-5 Eyes tracking system

5-5-1 Introduction of eyes tracking system



5-6 Infrared optical tracking control pen

5-6-1 Introduction of nfrared optical tracking control pen



- ① Active infrared tracking pen tip;
- ② The operation button can perform the functions of picking up the target object and selecting the function menu, etc;
- ③ Active infrared tracking pen tail;
- ④ Connect to computer with USB interface;

5-6-2 Infrared optical tracking control pen functions & parameters

- ① Has 3 bottons and an active luminous infrared optical tracking point at the tip and tail of the pen ;
- ② Built-in high-precisionsensor intelligentlymonitors the currentattitude data of thetarget in real time;
- ③ Built-in vibrator can beutilized for enhanceduser feedback;
- ④ Utilize USB wiredconnection, stable datatransmission, anti-loss, andcharge-free;

5-8 Device Parameters

The following device parameters are recommended configuration parameters for use in this system, not standard configuration parameters. Please refer to the invoice configuration at the time of purchase for the device configuration parameters.

Product model: K1-800

Category	Specification
PC Type	Intel H610 Chipset
CPU	Intel Core i7 12th Generation 12700F 12 Core 2.1G RF 4.9G
Graphics card	Nvidia®Quadro T1000, GDDR6 4GB
Memory	DDR5 16GB
Hard disk	SSD 512GB
Wi-Fi	Integrated wireless network card 802.11a/b/g/n/ac
Bluetooth	Bluetooth5.0
Sound card	Integrated high-definition stereo sound card
Network card	Integrated 10/100/1000M adaptive network card
USB Port	USB 3.0*4, USB 2.0*3
DisplayPort Output	Mini DP*2
Speaker	8-ohm 3-watt speaker*2
Line Out & Mic In	One each

6 Factors

Operating temperature	0°C—40°C
Operating humidity	10%—90%, non condensing (in a dry place)
Storage temperature	-20°C—60°C
Storage humidity	10%—90%
Altitude	Under 5000 Meters

7 Precautions

- 7-1 The specifications of the power adapter configured on this machine are DC 19.5V 11.8A. Please use the standard power adapter on this system and do not replace it with other power adapters;
- 7-2 To ensure the stable operation of this system, please ensure that each port is in good contact and that the port wiring is inserted properly during wiring;
- 7-3 This system has a human eye tracking system and only supports single person viewing. When multiple people are watching at the same time, bystanders may experience dizziness. Please avoid using it in scenes where multiple people are watching at the same time;
- 7-4 The specifications of the power adapter configured on this machine are DC 19.5V 11.8A. Please use the standard power adapter on this system and do not replace it with other power adapters;
- 7-5 This system is a desktop level all-in-one machine based on autostereoscopic 3D display and VR/AR interaction technology, suitable for K12, vocational education, and virtual reality and virtual simulation holographic interactive experimental classrooms in higher education institutions;

FCC Statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.