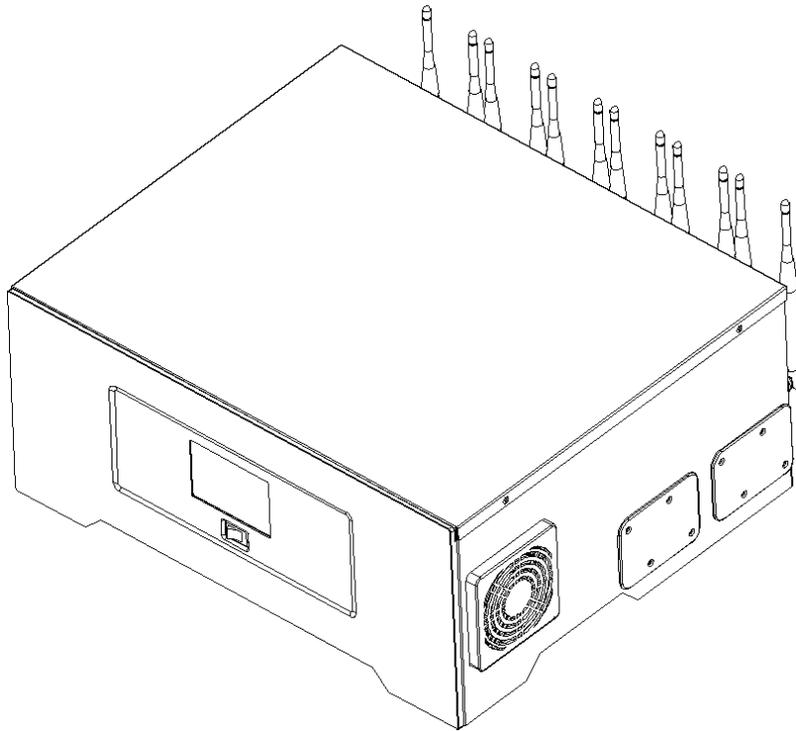


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# ViMatrix

## User's Manual



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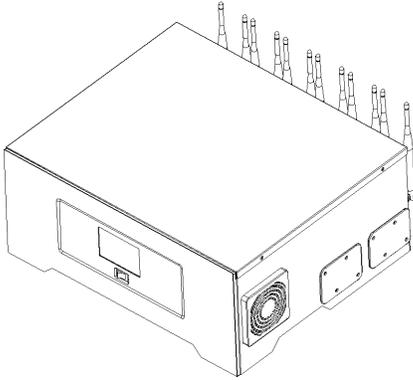
## Chapter 1 Notes and Safety Requirements

### 1.1 Cautions and Notes

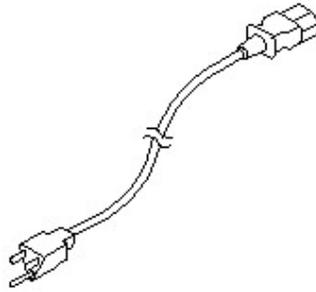
- (1) Do not vigorously swing the antennas, causing its break to affect the Wi-Fi signal output.
- (2) To avoid failure or electric shock hazard and so on, do not disassemble or modify the internal structure of the device.
- (3) Do not plug in or unplug the power port when hands are wet.
- (4) In case of strong thunderstorm weather, stop using, and unplug the power supply to prevent lightning strike.
- (5) The products are not specifically designed for an outdoor use. Do not expose it to outdoor environment without any protection. Excessive temperature and humidity will damage the lens. Please avoid using the product under the following environment: high temperature or high humidity environment, places with direct sunlight, dirt or vibration and places near heat source.
- (6) Please use and store in the following environment:  
Operating temperature : 0°C~ 40°C  
Storage temperature: -20°C~ 60°C  
Operating Humidity : 30~60%RH  
Storage Humidity: 10~80%RH
- (7) If any foreign matter, water or liquid enter into the device by accident, disconnect the USB cable immediately. Please send it to the maintenance center and do not use the hair dryer to dry it by yourself.
- (8) To avoid electric shock by accident, please power off microscope before you move your computer or laptop.

## Chapter 2 Package list

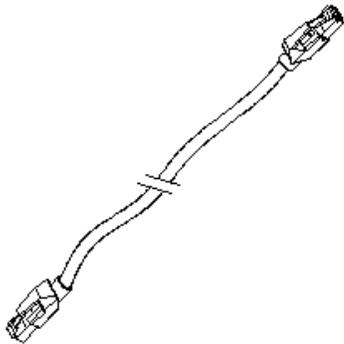
1. Server



2. Power cable



3. Ethernet cable

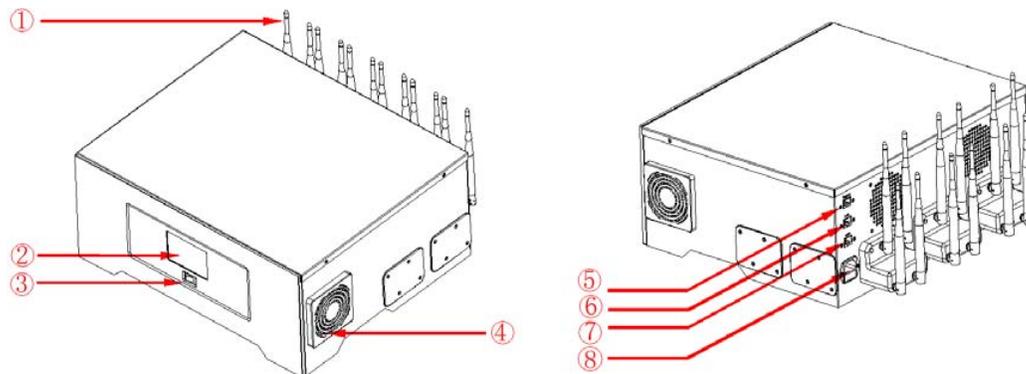


## Chapter 3 Function Introduction

### 3.1 Name and function for body units of ViMatrix

#### 3.1.1 Body Introduction

**ViMatrix:** This machine is used with multiple WiFi microscope eyepieces, and a computer can stream all images from the WiFi microscope eyepieces which connected to the machine. bearing characteristics of quick transmission speed, excellent color rendition, clear image and storage convenience, etc., which can be widely used in industrial tubes, teaching, material analysis, clinical examination, machine vision, etc.



#### 3.1.2 Function for body units of ViMatrix

- ① Antenna: external 5G signal antenna.
- ② Touch screen: Display information parameters.

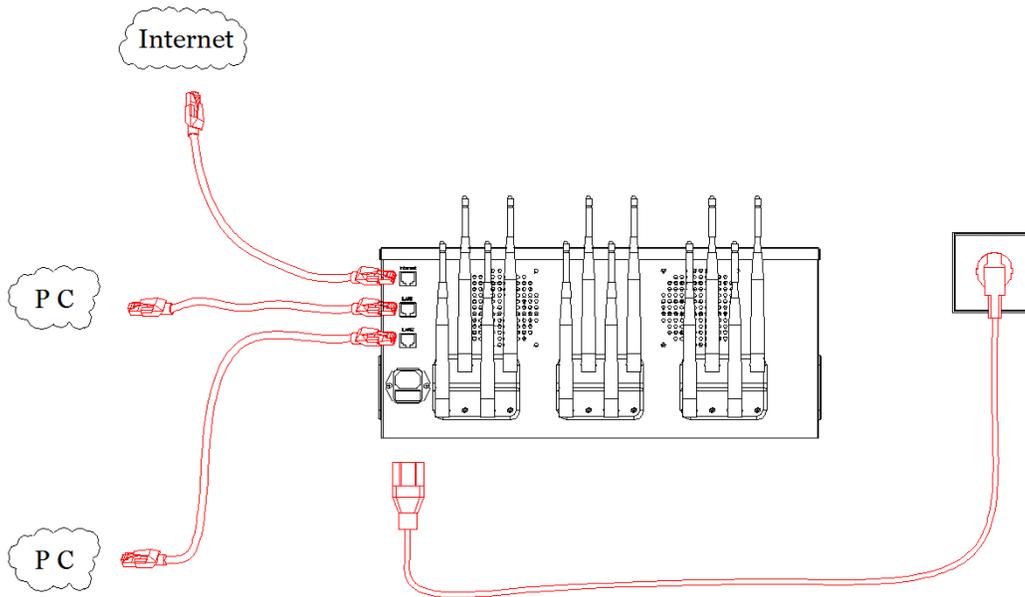
1. Embed with internal temperature control device. When the internal temperatures reached 70 °C or higher, the central control device will be prompted to warn the temperature is too high, need to suspend to use the machine until temperature down.

2. As the temperature rises, the cooling fan speeds up and cools quickly.

- ③ switch: Turn on/off
- ④ Cooling fan cover: Cover from dust.
- ⑤ Network interface: Internet
- ⑥ Network interface: LAN1
- ⑦ Network interface: LAN2
- ⑧ Power interface: Power supply for the machine

## Chapter 4 Product Assembly Guide

### 4.1 Cable Connection Diagram



Note: "PC" is short for "Personal Computer".

### 4.2 Remove and clean the heat dissipation fan

1. Disassemble the heat dissipation fan cover, as shown below



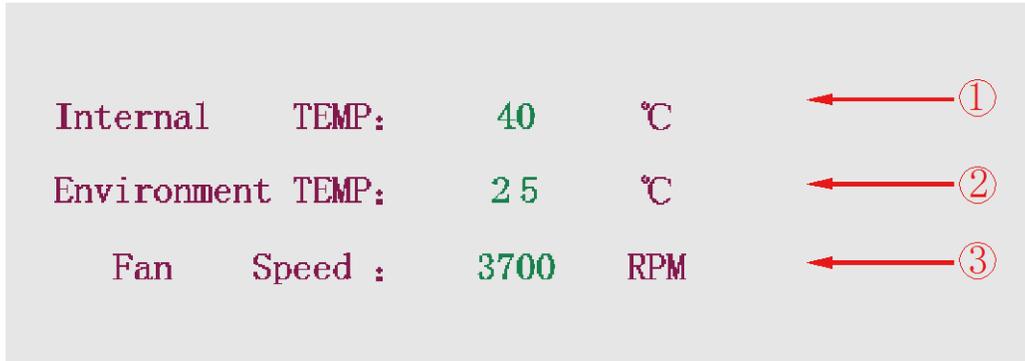
2. After removing the sponge, remove dust as shown below



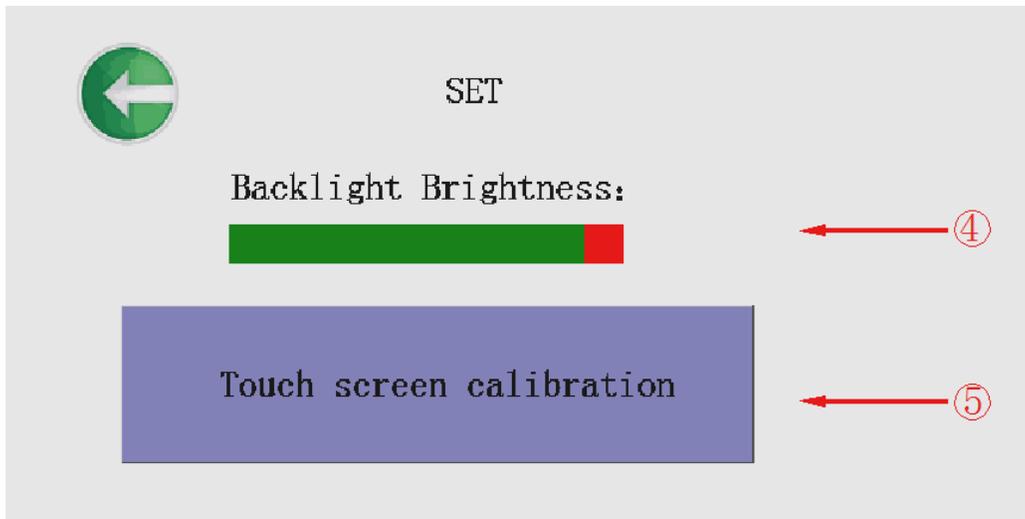
3. After cleaning the dust, reassemble it to the machine.

## Chapter 5 Instructions

### 5.1 Display screen information



- ①. Displays current internal temperature.
- ②. Displays current environment temperature.
- ③. Display current fan speed.



- ④. Backlight brightness
- ⑤. Touch screen adjustment