VAP11G-500 Product Specification

VAP11G-500 is a professional 300M Mini High-power WiFi repeater, that is elaborately developed by HouTian Network, the original creation D/A temperature compensated auto frequency control technology（TAFC), it solved the common failing of the traditional wifi router or wifi products that easily drop the network, the lasting stability makes sure that the WiFi signal is not dropped. It is based on IEEE 802.11N standard, compatible with IEEE 802.11B and IEEE 802.11G standard.It can extend the range of wireless networks, providing up to 300Mbps the stable transmission rate.

VAP11G-500 is an environmentally and safe WiFi signal repeater. Working in the repeater mode, VAP11G-500 can be doubled to extend the original WiFi signal coverage, while ensuring the security of the wireless signal, and its working principle is: placing VAP11G -500 at the edges of the original WiFi hot spot signal coverage, VAP11G-500 can receive weak WiFi signal, and then zoom in to the normal, safe strength, and after optimization, error correction processing, to achieve signal coverage distance doubled extension under safe. This differs from traditional wireless signal amplifier - only amplifies the signal and ignore the wireless security.VAP11G-500 has a general power and high-power modes. In the high-power mode, accessible transmission distance up to 500 meters, expanding the coverage of the WiFi signal.

➢ Environmental, Safe, Portable, Mini
➢ Support 802.11b/g/n Wireless transmission protocol, the transmission rate is 300Mbps .
➢ Support general power and high-power modes
➢ Professional Intelligent WiFi repeater
➢ WiFi intelligent bridge function, Wireless switch wired, wired switch wireless, intelligent switch;
➢ WiFi intelligent repeater mode, it supports WiFi hot spot scan automatically and WiFi hot spot memory function
➢ Support WEB remote firmware upgrade, free to get the latest firmware.
➢ Support WEB management, Chinese and English configuration interface
➢ Using USB for power ,also convenient to use power bank for power
➢ Adopt the original creation D/A temperature compensated auto frequency control technology (TAFC), the lasting stability ensure that the WiFi signal is not dropped
➢ Original creation VDNS virtual domain configuration technology to solve the user's trouble of configuration
➢ Support connecting more than 20pcs WiFi terminal at the same time.

- ➤ Support WPA-PSK/WPA2-PSK, 64/128/WEP security mechanism.
- ➤ The best partner of remote monitoring, long range WiFi signal coverage.
- ➤ Input voltage（DC5V-15V), Needn't extra power supply, reducing e-waste.
- ➤ The transmission distance (without obstacle) : 500M

In the software operation, Houtian network upholds the consistent simple, user-friendly design, abandoned the verbose of IP setup for traditional wireless repeater, using the virtual domain configuration techniques(VDNS)configuration, and also support the use of IE browser configuration and PC-specific software configuration(no IP connection), on the steps, it is even more concise, no redundant operations, which greatly facilitates the use of different levels of user.

Hardware Specifications	
Protocol Standards	IEEE 802.11g, IEEE 802.11b, IEEE 802.11n
Transmission rate	300Mbps
Interface	1 DC2.0 power hole; 1dedicated two in one power supply cable, with a set of power supply and a set of 10/100m adaptive Ethernet cable.
Button	Reset button (long press 5 seconds)
LED	Status instruction: WiFi status light(blue light) Ethernet (light green for success);
Antenna	Built-in Intelligent omnidirectional antenna
Size	90mm x 45mm x 15mm(L x W x H)

Wireless Related	
Basic function	Channel option: 1-14; WiFi Hotspot scan automatically; WiFi Hotspot memory. Power choice: general power and high-power modes

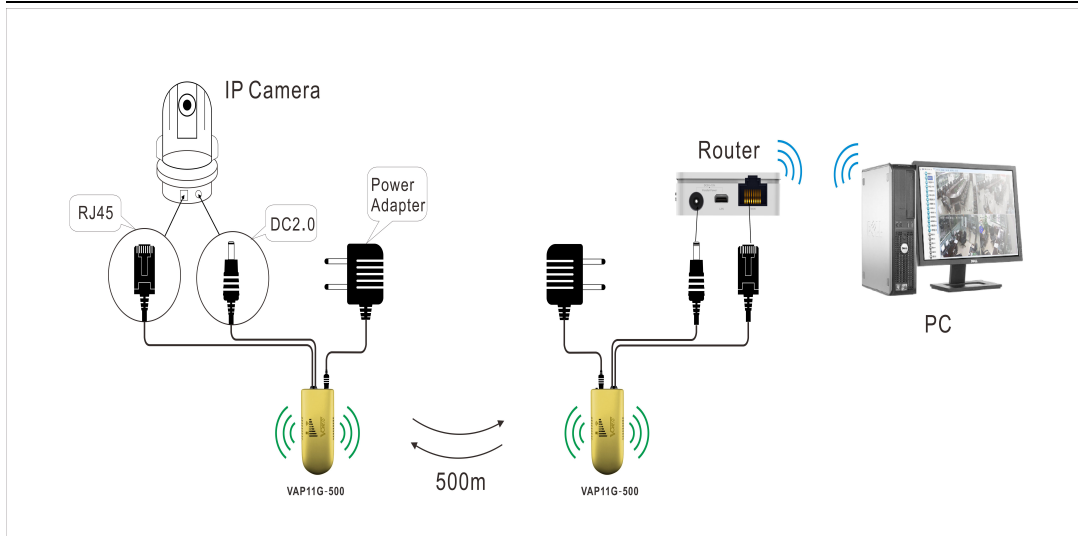|	
Working mode	WiFi intelligent repeater mode: Repeater(WiFi signal repeat) mode, extend the transmission distance of wifi; WiFi intelligent bridge mode: AP Client (WiFi client) mode, suit for IP camera;
Wireless Security	64/128/WEP encryption; WPA-PSK/WPA2-PSK, WPA/WPA2security mechanism.
System Function	Device reboot Reset factory Administrate account and password revise Firmware upgrade

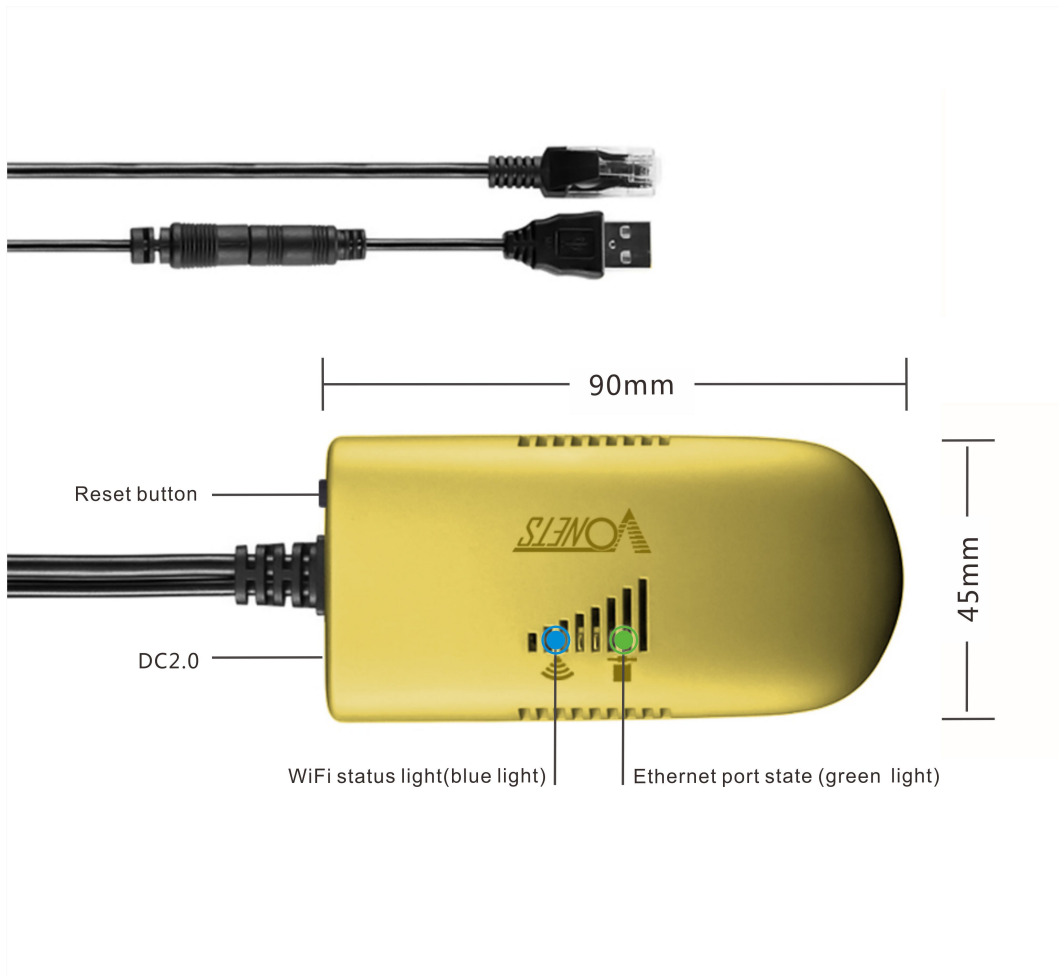VAP11G-500 WiFi signal extending, as below:

TOP 1

VAP11G-500 High-power application, as below:

TOP 2

product picture，as below:

Reset button

DC2.0

90mm

45mm

WiFi status light(blue light)

Ethernet port state (green light)

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Tips:
1) Without connecting any hot spot, the blue status light of VAP11G-500 will rapid flashing regularly.
2) When connected hot spot with success and the wireless hot spot signal more than 50%, the blue status light of VAP11G-500 will rapid flashing continually.
3)When connected hot spot with success and the wireless hot spot signal more than 10% and less than 50%, the blue status light of VAP11G-500 will slowly flashing continually.
4)When connected hot spot with success and the wireless hot spot signal more than 10%, the blue status light of VAP11G-500 will off.
5)When failed connect hot spot, the blue status light of VAP11G-500 will off.

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