



WIRELESS BRIDGE

—— USER MANUAL ——



Model: AH9066

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WhatsApp

OVERVIEW

1. Introduce

Anjielo Smart AH9066 wireless bridge is a long-distance 2.4G wireless transmission device. It uses wireless communication technology to transmit network data using air as a medium to perform long-distance point-to-point or point-to-multipoint inter connection. The working data link layer realizes the interconnection of local area networks. The transmission distance can reach up to 1km.

AH9066 wireless bridge transmission usually consists of two devices, one is TX, the other is RX, in the process of using, one end will be connected to the router, the other end is connected to the terminal equipment, no need to pair, can be used.

AH9066 connects TX to the computer and RX to the IP camera through infrared transmission, which can be used for long-distance monitoring without the need of network.

It is widely used in highway, reservoir and river monitoring, lift monitoring system, construction site crane monitoring system, port terminal monitoring system, sea water aquaculture monitoring system and so on.

Peer-to-peer extended network WiFi range, extend your home network to barns, garages, churches, warehouses and even neighbours' homes through wireless bridging signal transmission.

Wireless bridge signal transmission. Saves you money by eliminating the need to install a new modem and pay a monthly fee.

2. Highlights

1. Transmission using 2.4Ghz wireless technology;
2. 100Mbps RJ45 LAN port, support Gigabit;
3. Built-in 16dbi high gain WiFi antenna;
4. Communication protocol: IEEE 802.11ah
5. Transmission distance up to 1km(Barrier-Free);
6. Support point-to-point, point-to-multipoint mode;

3. Specifications

Category	Item	Parmeter
Radio	Protocol	IEEE 802.11ah
	Radio Frequency	902MHz-928MHz (USA) 863MHz-868MHz (Europe) 916.5MHz-927.5MHz (Japan)
	Frequency Bandwidth	8MHz
	Maximum Bitrate	16Mbps
	RX sensitivity	1M PPDU MCS=10 -105dbm; 8M PPDU MCS=0 -95dbm; 8M PPDU MCS=7 -81dbm
	Maximum Station Number	8 Stations
	TX Power	20dBm 100mW
	Modulation	BPSK, QPSK, QAM16 or QAM64
	Transmission Distance	Up to 1000 meter in open space
	Security	WPA2-PSK
	Encryption	AES
Hardware	10/100Mbps	10/100Mbps
	Power Input	DC5V/1A 12V/1A
	LED Lights	Power Indicator Master (AP) Indicator Radio Stength Indicator
	Antenna Socket	SMA outer screw inner hole
Electrical performance	DC input	5V2A/12V1A
	Maximum Current	500mA
	Typical Power Consumption	1.5 Watt
	Operating temperature	-20 °C ~ 48 °C
	Storage Temperature	-30 °C ~ 80 °C
	Working humidity	10%~90%
	Storage humidity	5%~95%
Antenna	Gain	2di Omnidirectional

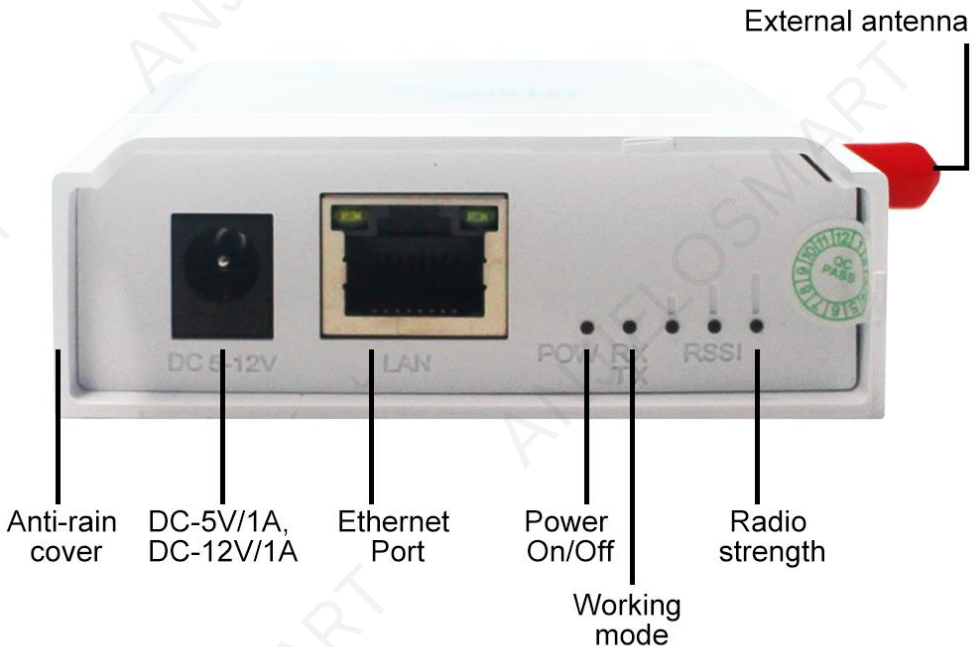
	Length	19cm
Size	Product Size	300mm*190mm*75mm
Product Shell	Material	PC
	FCC ID	2AXPI-TX-AH-R900ATR

4. Package Included

- 2 * Ethernet Air
- 2 * 5V1A power adapter
- 2 * Ethernet Cable
- 2 * Self tapping screw
- 2 * Omnidirectional antenna



5. Interface Details



Quick Start

1. Install the Ethernet Air

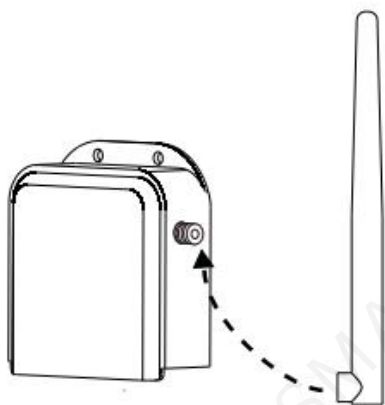
- ❖ Plug in the antenna
- ❖ Drill the hole and screw the Ethernet Air on the wall
- ❖ Plug in the RJ45 cable
- ❖ Plug in the power supply

2. Plug and play, automatic connected:

Ordinary device networking: only need to connect one end of the device (TX) to the router, the other end of the device (RX) to connect to the terminal equipment that requires network, such as computers, televisions, visual intercom doorbell system and so on.

Connecting IP Camera: Connecting an IP camera makes it possible to transmit video images without the need for a network, using a unique form of infrared transmission. You only need to connect one end (TX) of the bridge to the computer and the other end (RX) to the IP camera, and then enter the IP address of the camera on the computer side to view the camera's image on the computer.

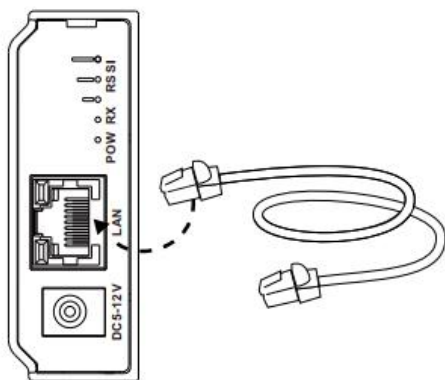
3. Installation



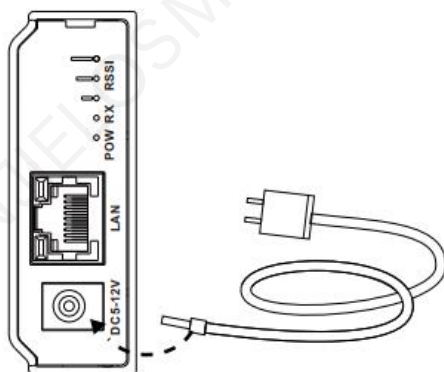
1. Plug in the antenna



2. Drill the hole and screw the Ethernet Air on the wall



3. Plug in the RJ45 Cable



4. Plug in the power supply

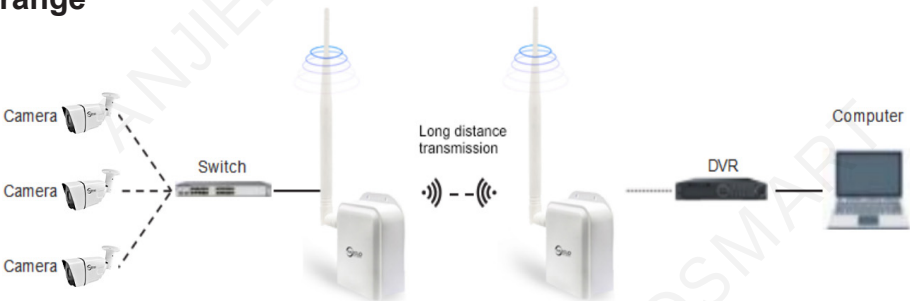
Application Case

Case 1: Point-to-point extended network WiFi range

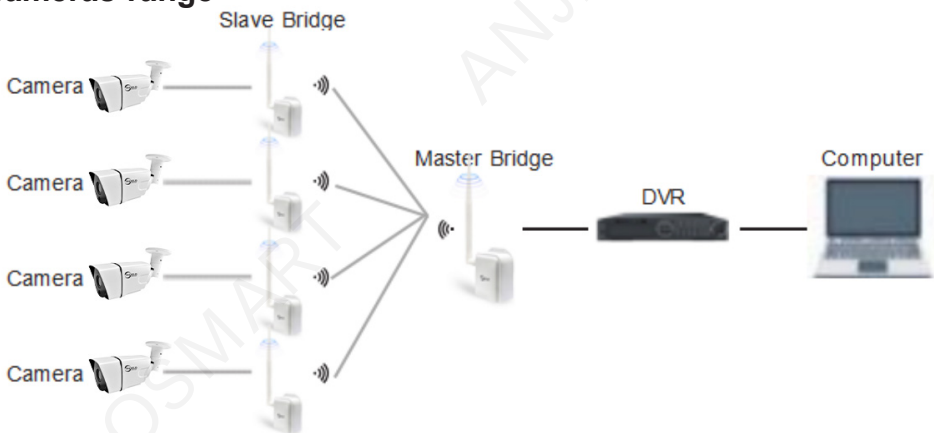
Suitable for extending the network to second buildings, such as garages, shops, barns, etc.



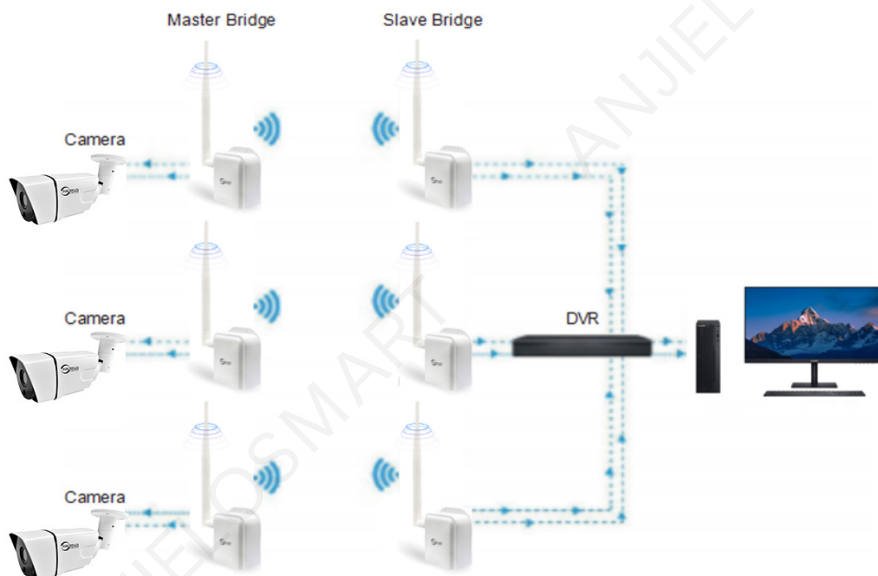
Case 2: Point-to-point extended of surveillance cameras range



Case 3: Point-to-multiple point extended surveillance-cameras range



Case 4: Point-to-point extended surveillance cameras range



Technical Support and Service

- A. Thankyou for your order and for using Anjielo Smart AH9066 Wireless Bridge, please read the manual carefully before use. If there are any problems during the use, please contact us in time;
- B. The installation of this device requires some network knowledge. If you can't install it, please let us know or contact a professional.

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