4G router WIFI ZOOM IP Camera Instruction

1, How to put SIM card into IP camera

as shown in Figure 1

2, Connect the camera power, please do not plug in

the network cable. (If you plug in the network cable,

the camera will be connected to the wired network first,

and the 4G network will not work).and Please wait 1 minute, the 4G camera will automatically complete the 4G network connection.

3, How to add camera on smartphone

Download "Camhi" / "Camhipro" (for IOS and android) from APP store, open it and click add. Scan the QR code above to enter the download page



1

4, Install Camhipro mobile APP and add camera:



<	Name setting	\times
The device ha	as been added successfully! Give it	a name.
name: Ca	amera	
quick select	tion:	
Living room	Bedroom Doorway Ba	aby room
Store	Corridor Hall	Office
	confirm	





SSAA-477911-BBFAD

Now 4G camera Configure the connection successfully.

5, How other network devices connect to the WAN through 4G cameras?

Take a mobile phone through a 4G camera to connect to the WAN as an example.

Open the WIFI settings of the mobile phone, find the wireless WIFI signal of the 4G camera, the WIFI name is MIFI-XXX, select this wireless WIFI signal, and enter the WIFI password: 1234567890. Then save, the mobile phone will successfully connect to the WAN.As shown below

20:46	🗢 🕞	20:47		🕈 🕞	20:47		🕈 🕞
Settings WLAN		Enter	the password for "MIFL430E "		Settings	WLAN	
	- · 🕑	Cancel	Enter Password	Join			
НХН	🔒 🗟 🚺				WLAN		
					MIFI_430E		🕯 🗢 🚺
IPCAM-AP-3e034260		Password	1234567890				
JHW-A309	🔒 🗢 🚺	You can also	access this WLAN network I	by bringing your	CHOOSE A NETWO	RK	
		iPhone near a to this netwo	any iPhone, iPad or Mac that rk and has you in its contact	t has connected	000008		🔒 🗢 🚺
JHW-A309-3G					aivision1		🔒 🤶 🚺
MERCURY	🔒 🗢 🚺				Successful	ly connect to	the WAN
MIFI_430E	a 🤶 i				ouooossiui	iy connoct to	
MotionA307	🔒 🗢 (i)						

- 6, How to log into 4G router and manage router
 - A, Use a computer or mobile phone to connect to the WIFI of the 4G camera,

↓ ▼ YUCHENG 5G 已连接,安全	ん ChinaNet-emYr 安全	MIF 1544 已建後,安全
圆性	<i>に</i> MiFi 1544 安全	断开连接
偏 MIFI 1544 安全	輸入网络安全密閉 ••••••••••	ぽ YUCHENG 安全
FUCHENG 安全	▶──步 取6例 「そ AS02 ☆会	í YUCHENG_5G 安全
ChinaNet-emYr 安全	×ェ ChinaNet-GZB8QD_HiLink 安全	ChinaNet-emYr 安全
存 A502 安全	$\widehat{\kappa} \; \stackrel{ ext{ChinaNet-mfyhyl}}{\widehat{ ext{g}} \widehat{ ext{a}}}$	安全
CCCM テム 网络和 Internet 设置	, 网络和 Internet 设置 更欢设置,例如将某连续设置为按流量计表。	「「6 ホム 网络和 Internet 设置 更改设置,例如将某些推设置为按流量计费。
更改设置,例如将某连接设置为核流量计费。	信 中子 0(0) WLAN で行きまた 修ぶがため	(4) 時子 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
WLAN 飞行模式 移动热点	へ ■ 🝦 🗇 🕀 英 🗒 🛛 20:38 2021/2/3	へ 🖬 🎍 印) 腐 英 🖽 20:40 2021/2/3
2	3	4

Use a computer to search for the WIFI signal of the camera. The WIFI name is the WIFI signal starting with MIFI-X, as shown in Figure 3. Select this WIFI signal and enter the connection password: 1234567890. Click the connect button, the computer will automatically connect to the camera via WIFI. As shown in Figure 4, the WIFI connection is successful.

B, Open the browser, enter the login address of the 4G router in the address bar of the browser: 192.168.2.1, enter the login user: admin, login password: admin, as shown in Figure 5.

If the system is displayed in Chinese, please change the language to English, as shown in Figure 5: Click: "系统设置",> "语言设置" select English

	100						
AiDisk 系统 服务 工作模式 固件升级 配置管理	控制台		Load Avg:	0.08 0.01 0.00	Wireless:	2.46	
T VPN 服务器 基本 不在始急		$1 \hat{1}$	CPU Load:	3%	Guest AP:	2.4G	
A VPN 客户端		4G Router	Memory Free:	44.97 MB / 60.55 MB	Firmware:	3.4.3.9-20201126	
E 网络流量 账号设置			Uptime:	0d 00h 11m		LCO	
4 凝集信息 设备名称:	AF791						
高级设置 林田品献品。	admin	A Network Map		Internet Status			
■ 无线 2.4G		AiDisk		Connection Control:	Reconnect Disc	onnect	\sim
- 内网 LAN 新密码:		til VPN Server	\$	Internet Source Priority:	4G Modern always		
— 外网 WAN		VPN Client					
- 防火槍		Network Traffic		Simcard Status	Card inserted		
- 4G设置 系统时间		X System Info		4G signal	T all		
- 其施管理 时区:	(GMT+08:00) 北京,香港 ▼	F Advanced Settings	0	Connection Status:	Connected		
- 参数设置 	t day (t)	- Wireless 2.4GHz		Connection Type:	USB Modem (NDIS/R	NDIS)	
	i day ()	- LAN		Session Uptime:	0d 00h 10m		
- <u>系统日志</u> NTP 服务器 1:	ntp1.aliyun.com 読家 NTP 服务部	- WAN	A C	DHCP Lease Expires After:	0d 23h 49m		
NTP 服务器 2:	2001:470:0:50::2	- Firewall	¥Ġ₽	Traffic During The Session:	1 1 47 MiD A	TE CE VID	
		- 4G Modem Setting	(111)	manic During The Session.	♥1.47 miD 1.5	575.00 Kib	
其它设置		- Administration		Current Data Rate:	↓ 0 Kbps ↑ 0) Kbps	
远程记录服务器	: 514	- Customization		IPv4 Address WAN:	10.7.228.167		
白田ズの日本があれ		- Wireless & Wired Info		Gateway WAN:	10.7.228.165		
后用款到口心浮动家	English	- System Log		DNS:	218.4.4.4		
语言设置:	简体中文				218.2.2.2		
启用帮助				MAC Address	00:A0:C6:00:00:00		
					More Config	~	\sim
应用	iệ 🗄						
			© 201	1-2020 Padavan & N56U project comn	nunity		
_			6				

- C,Figure 5 shows the connection status of the 4G router. If the 4G connection is unsuccessful, please check if your 4G SIM card is normal.
- D, You can now start configuring the 4G router



7, 4G Router Hardware specifications

7.1 Basic parameters

The parameters of the AF791 module are as follows Table 1: AF791 basic parameters

project		description	
product name	AF791	Security router module	
structure	Product Size 58 mm x 38 mm x 10.5 mm		
	2x LAN	LANx2	
Wired network port	Network port rate	10/100Mbps, Auto MDI/MDIX	
WiFi	WiFi LAN	Support 802.11b/g/n	
	Antenna	I-PEX+antenna	
	Coverage distance	Open area 30 meters	
	SIM card	Nano-SIM	
SIM †	antenna	I-PEX+antenna	
Button	Reset button	One button reset	
LED	LED status	Power、WiFi	
Power		DC12V	

	FDD-LTE	Downlink rate 150Mbps, uplink rate 50Mbps
		Band 1/3/5/8
Francisco de la farmatica	TDD-LTE	Downlink rate 150Mbps, uplink rate 50Mbps
Frequency band information		Band 38/39/40/41
	WCDMA	Downlink rate 21Mbps, uplink rate 5.76Mbps
		Band 1/5/8

7.3 Interface definition diagram



8. Introduction to common functions

8.1 Wireless network status setting The default parameters of the wireless WiFi function are as follows, and the settings take effect immediately. It is not recommended to use WIFI for industrial data transmission. Only recommended for device parameter configuration or short-distance data transmission. Table 5: WiFi default parameters

Default parameter	Parameter value
SSID name	MIFI_XXXX
Wireless password	1234567890
Channel	automatic
Frequency band	2.4G
Encryption method	WPA2(AES)-PSK

Wireless-WiFi basic settings: set whether WiFi is turned on, modify SSID and password, security mode, Basic information such as the activation date;

,				
	AiDisk		2.4GHz	
	LI VPN Server			
	VPN Client		Enable Radio?	
	Network Traffic		Wireless Name (SSID)	MIFI_13F2
	X System Info		Hide SSID:	0
	Advanced Settings			
	 Wireless 2.4GHz 		Authentication Method:	WPA2-Personal
	- LAN		WPA Encryption:	AES
	- WAN	<u> </u>		
	- Firewall	4G≯	WPA-PSK Key:	•••••••••
	 4G Modem Setting 	[Apply
	 Administration 	ici		
	- Customization		LAN IP	192.168.2.1
	 Wireless & Wired Info 		MAC Address	3C:67:A5:00:13:F2
	 System Log 			More Config

Wireless network status

8.2 Wireless Bridge Setting

The router has a wireless client function, which is turned off by default and can be turned on when needed. As a wireless relay device, it can be connected to other WiFi to achieve Internet access. First modify the Internet priority: Broadband WAN or WISP Wireless 2.4G option-wireless bridging: follow the steps in the figure down, set the corresponding parameters according to the actual connected WiFi, and click apply settings

A Network Map	Wireless - Bridge (2.4GHz)				
AiDisk	General Guest AP Bridge Wireless MAC Filter	r RADIUS Settings Professional			
tl VPN Server	Bridge function allow your AE701 to connect to an access	s point wirelessly			
VPN Client	To ensure the AP-Client control to an access the second seco	same channel with remote AP.			
Network Traffic	 AP-Client performs wav-audresses translation ullough our wave (wiAT reature). AP-Client can be designated to WAN interface role (WISP feature). 				
X System Info					
Advanced Settings	Wireless Operation Mode:	AP-Client + AP 1			
- Wireless 2.4GHz	Wireless AP-Client Role:	WAN (Wireless ISP)			
- LAN		3			
- WAN	Radio Channel:	13 V Autoseek			
- Firewall	STA SSID:	yucvision 🖌 🖌			
- 4G Modern Setting	Authentication Method:	WDA2 Personal			
 Administration 	Autientication Method.				
- Customization	WPA Encryption:	AES 🖌 6			
- Wireless & Wired Info	WPA Pre-Shared Key:	•••••••• • • 7			
 System Log 					
	App	bly			
	 Network Map AlDisk VPN Server VPN Client Network Traffic System Info Advanced Settings Wireless 2.4GHz LAN KANN Firewall 4G Modem Setting Administration Customization Wireless & Wired Info System Log 	A Network Map Wireless - Bridge (2.4CH2) A JDisk General Guest AP Bridge Wireless MAC Fille L3 VPN Server Bridge function allow your AF791 to connect to an acces To ensure the AP-Client connection, please set the Network Traffic AP-Client performs MAC-addresses translation thro X System Info Wireless 2.4GHz Wireless 2.4GHz Wireless AP-Client Role: Wireless 2.4GHz Wireless AP-Client Role: Wireless AP-Client Role: STA SSID: Addinistration Wireless & Wired Info Wireless & Wired Info WPA Encryption: System Log Apre-Shared Key:			

8.3 Intranet settings Support to modify the LAN port IP and subnet mask. The default IP address is 192.168.2.1. After the modification is completed, click Apply to restart the device to take effect.

	A Network Map		
LAN setting		LAN IP DHCP Server Route IPTV Ethernet Switch Wake-on-LAN	
	LT VPN Server	Configure the LAN IP of AF791. The DHCP Server dynamically changes the IP pool when you change the	
	O VPN Client	LAN IP.	
	Network Traffic	ID Address: 102 168 11	
	>\$ System Info	192.100.1,1	
	F Advanced Settings	Subnet Mask: 255.255.255.0 255.255.255.0	
	 Wireless 2.4GHz 	Enable Snapping Tree Protocol (STD)2	
	- LAN		
0	- WAN	Apply	
	- Firewall		
	- 4G Modern Setting		
	- Administration		
	- Customization		
	- Wireless & Wired Info		
	- System Log		

8.4 APN settings

restart the device.

Support the configuration of APN, authentication, user name, and password.

If you are using an ordinary mobile phone card, you don't need to worry about the APN settings, and you can connect to the Internet by inserting the card. If you use an APN card and have a special APN address, you need to set the APN address, user name and password here; first, in the APN setting column, fill in the accurate APN address as required. After the setting is successful,

Network Map	4G Modem Setting - 4G Modem	
AiDisk	Common Setting 4G Modem Printer	
VPN Server VPN Client	Select the type of 4G Modem for your requirements. To and click [Remove].	disconnect 4G Modem, please go to Network Map
 Network Traffic System Info 	Enable 4G Modem?	
Advanced Settings	4G Modem Base Settings	
Wireless 2.4GHz LAN	Modem Type:	NDIS: LTE and other
- WAN	Location:	other
- Firewall	ISP:	other
G Modem Setting Administration	APN Service:	
- Customization	PIN Code:	
Wireless & Wired Info System Log	Username:	* QMI only
	Password:	A QMI only
	РDР Туре	IPv4
	Authentication	NONE
	Band	
	Preferred Network:	Auto 💌 * QMI only
	MTU:	1500 [10001500]

APN setting table 6: APN parameter table

Parameter name	function
PDP type	Default IPV4, protocol can be selected according to needs
APN	the name of the access point. Valid characters include: 0-9 a-z A-Z
Authentication method	default NONE, optional PAP, CHAP
Username	used to obtain verification from the Internet service provider when establishing a connection
Password	used to obtain verification from the Internet service provider when establishing a connection

<Description >

 $\$ The module uses a Nano-SIM card. When using an APN dedicated network card, be sure to fill in the APN information, user name and password. $\$ You can set the access point name (APN) on this webpage. After the setting is completed, please restart the device to take effect. Unpredictable errors may occur if you dial immediately

8.5 Restore factory settings Support web way of restoring factory settings.

	♠ Network Map	Administration - Settings		
Restore factory settings page	AiDisk	System Services Operation Mode Firmware	e Upgrade Settings Console	
	ta VPN Server	This function allows you to save current router settings to a file or load settings from a file.		
	VPN Client			
	Network Traffic	Router Settings (NVRAM)		
	X System Info	Factory Default:	Reset	
	Advanced Settings	Save Setting to a File:	Sava	
	 Wireless 2.4GHz 	save setting to a rife.	Save	
	- LAN	Restore Settings from a File:	浏览	
	- WAN		Upload	
	- Firewall			
	 4G Modem Setting 	NVRAM to Flash Memory Committing Mode:	Always after changes (*)	
	Administration Customization	Commit NVRAM Content to Flash Memory Now:	s Commit	
	- Wireless & Wired Info	Router Internal Storage (/etc/storage)		
	- System Log	Factory Default:	Reset	
		Storage Backup:	Save	
		Restore Storage from a Backup file:	浏览	
			Upload	
		Save Network Traffic History to Internal Storage?	Yes, w/o commit to flash (*)	
		Save Current System Time to Internal Storage?	Yes (*)	

*You can also use the Reload button (hardware restore factory settings button) to restore the module to the factory parameters.
*Method: Long press for 5s to release, the router will restore the factory parameter settings and restart.
8.6 System Log Support system log viewing and saving.

C	A Network Map	System Log - General Log			
AiDisk	AiDisk	General Log DHCP Leases Port Forwarding Routing Table Connections			
	ta VPN Server	System Time: Thu, Mar 25 11:32:40 2021 GMT+0800			
	VPN Client	Mar 25 11:12:06 kernel: AP-Client probe: SSID=yucvision, BSSID=dc:ef:09:ca:06:0a			
	Network Traffic	<pre>Mar 25 11:12:07 kernel: AF-Client probe: SSID-FutOrision, BSSID-adcref:09:ca:06:0a Mar 25 11:12:07 kernel: AP-Client probe response: SSID=, BSSID=dc:ef:09:ca:06:0a Mar 25 11:12:07 kernel: !!! AFCLI LINK UF - IF(apcl10) AuthMode(7)=WFA2FSK, WeoStat</pre>			
C System	Constant System Info	Mar 25 11:12:07 DHCF WAN Client: starting on apcli0			
Advanced Settings		Mar 25 11:12:14 DHCP WAN Client: bound (apcli0), IF: 192.168.77.99, GW: 192.168.77. Mar 25 11:12:14 AF791: WAN up (apcli0)			
 Wireless 2.4GHz LAN WAN Firewall 4G Modern Setting Administration Customization Wireless & Wired Info 	Mar 25 11:12:14 dnsmasq[398]: read /etc/hosts - 3 addresses				
	- LAN	Mar 25 11:12:14 dnsmasq-dhcp[398]: read /etc/dnsmasq/dhcp/dhcp-hosts.rc Mar 25 11:12:14 dnsmasq-dhcp[398]: read /etc/dnsmasq/dhcp/dhcp-hosts.rc			
	- WAN	Mar 25 11:12:14 dnsmasg[398]: using nameserver 192.168.77.1#53 Mar 25 11:12:14 miniupnpd[2392]: version 2.0 starting UPnP-IGD ext if apoli0 BOOTII Mar 25 11:12:14 miniupnpd[2392]: HTTP listening on port 8741			
	- Firewall				
	 4G Modem Setting 	Mar 25 11:12:14 miniupnpd[2392]: no HTTP IPv6 address, disabling IPv6			
	- Administration	Mar 25 11:12:16 dz: Internet state: 1, elapsed time: 25. Mar 25 11:12:18 kernel: br0: port 2(ra0) entered learning state Mar 25 11:12:33 kernel: br0: topology change detected, propagating			
	- Customization	Mar 25 11:12:33 kernel: br0: port 2(ra0) entered forwarding state			
	- Wireless & Wired Info	<			
	- System Log	Clear Save Refresh			

Common problems

4.1 How to restore the factory settings of the module?

Connect the module to the power supply, wait for a while (after the indicator of the device is stable), press the Reset button of the device, and hold it for more than 5 seconds to release, the device will automatically restart

4.2 What should I do if I forget the WLAN password or the login password of the management page?

After resetting the module to factory settings, the WLAN name is MIFI_XXXX, the WLAN password is 1234567890, and the initial login user admin on the management page, the password is admin.

4.3 What should I do if the 4G signal light is off or the Internet cannot be accessed?

Please refer to the chapter "Connecting to the Internet by Card" to confirm whether the size of the SIM card and the direction of the card are correct.

Please contact the operator to confirm whether the SIM is in arrears. If it is a new SIM, please contact the operator to confirm whether the card is completed

Whether the power is on and whether the antenna is connected.

If the above method still does not solve, please try to restore the factory settings and try again.

4.4 What should I do if the Internet speed is slow?

Please rotate the device or move it to the window to get a better signal.

If the Internet device (such as: mobile phone) is connected to the module through a wireless network, please adjust the location of the Internet device according to the wireless signal strength displayed by the Internet device

Please confirm whether the data traffic used in the current month has exceeded the upper limit of the data traffic contracted by the operator (if the upper limit is exceeded, the operator may limit the speed).

Restart the module and internet device, and try again.

4.5 What should I do if I cannot open the management page of the module?

Please confirm that your internet device has been connected to the module via a network cable or wirelessly.

Please make sure that your computer is set to automatically obtain an IP address and DNS server address.

Restart the browser, or try another browser

If the problem persists, try restoring factory settings.

4.6 Why is the content displayed on the management page not up to date?

Depending on the browser's cache, the device information displayed on the management page may not be up to date. You can manually clear the browser's cache (for example, open the browser and select Internet Options>General>Browsing History>Delete), and then restart the management page.

4.7 If you have other problems when using the module, please try:

Restart the module.

reset.

Contact your carrier or dealer.

Five, safety information

Before using and operating the equipment, please read and observe the following precautions to ensure the best performance of the equipment and avoid dangerous or illegal situations.

Operating environment:

Please use the equipment in the range of $0^{\circ}C \sim 40^{\circ}C$, and store the equipment within the temperature range of $-20^{\circ}C \sim +70^{\circ}C$

And its accessories. When the ambient temperature is too high or too low, it may cause equipment failure.

Accessories requirements:

Please use the accessories approved by the equipment manufacturer and matched with this type of equipment. If you use other types of accessories, it may violate the warranty terms of the device and the relevant regulations of the country where the device is located, and may cause a safety accident. If you need to obtain approved accessories, please contact an authorized service center

Power safety:

The power socket should be installed in the accessories of the equipment and should be easily accessible.

When the device is not in use, please disconnect the power supply from the device and unplug it from the power outlet

Power plug environmental protection:

Do not dispose of this equipment and its accessories as ordinary household garbage.

Please abide by the local laws and regulations regarding the disposal of this device and its accessories, and support the