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## How to Connect a WiFi Camera to NVR

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### Description

This shows you how to connect a wifi camera to NVR.

### Prerequisites

- WiFi Camera
- NVR

### Video Instructions

### Step by Step Instructions

Note: These instructions only apply for WiFi NVRs and Cameras.

1. Connect the NVR and IP Camera directly to your router or modem with a CAT5 cable.
2. Open the [ConfigTool](#) and locate your NVR and IP Camera.
3. Login to both using Internet Explorer.

The image shows a login window for an IP camera. The title bar at the top reads "IP Camera" and features a camera lens icon on the right. Below the title bar, there are two input fields: "Username:" with the text "admin" entered, and "Password:" which is currently empty. At the bottom of the form, there are two buttons: "Login" and "Cancel".

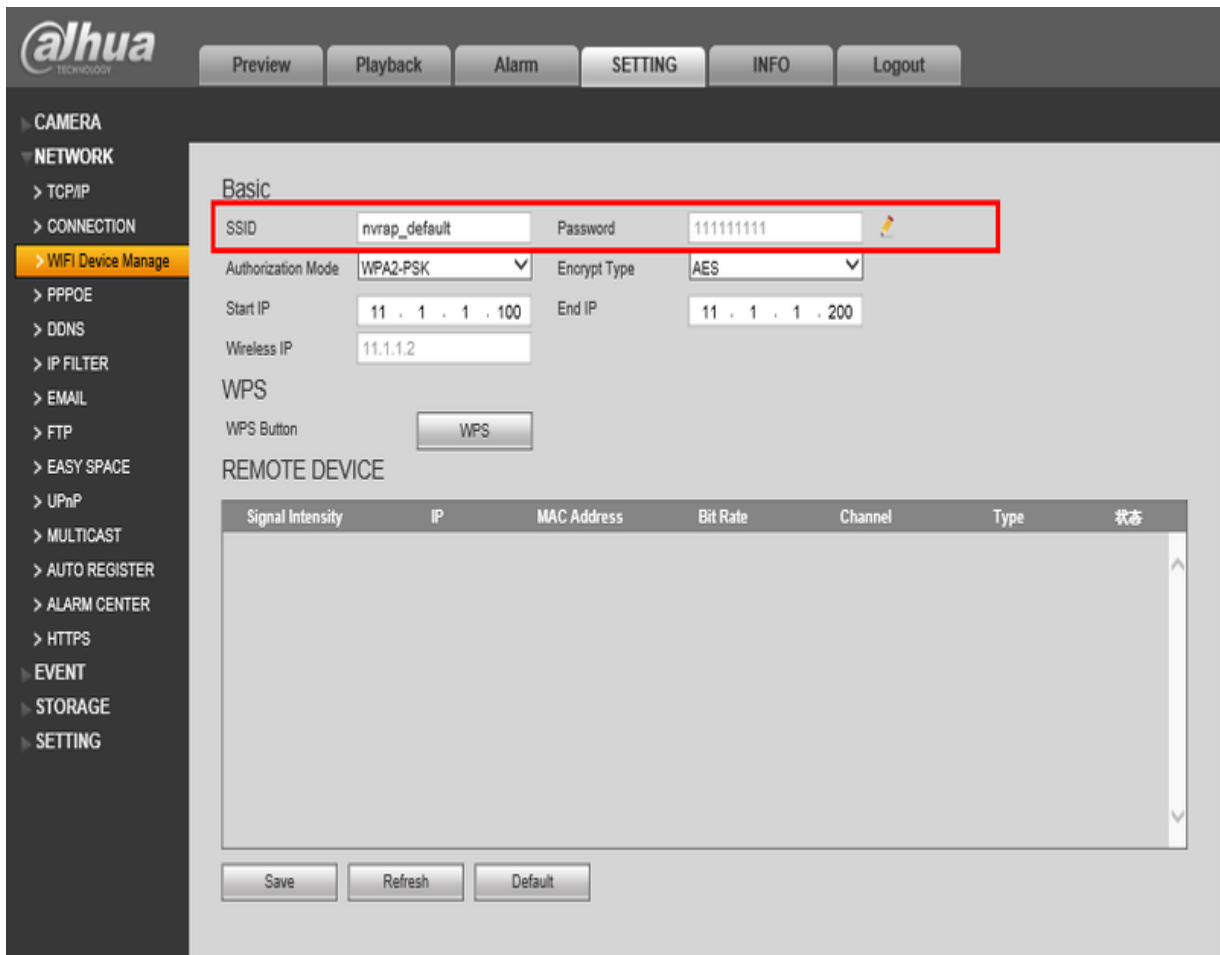
IP Camera Login



The NVR login screen features the Alhuda Technology logo and a camera lens icon. It includes a 'User Name' field with 'admin' entered, a 'Password' field, and radio buttons for 'LAN' (selected) and 'WAN'. 'Login' and 'Cancel' buttons are at the bottom.

NVR Login

4. On the NVR, go to Settings->Network->WiFi Device Manage



The screenshot shows the 'WiFi Device Manage' settings page. The 'Basic' section is highlighted with a red box and contains the following fields:

- SSID: nvrap\_default
- Password: 1111111111
- Authorization Mode: WPA2-PSK
- Encrypt Type: AES
- Start IP: 11.1.1.100
- End IP: 11.1.1.200
- Wireless IP: 11.1.1.2

Below the Basic section is the 'WPS' section with a 'WPS Button' button. The 'REMOTE DEVICE' section contains a table with the following columns: Signal Intensity, IP, MAC Address, Bit Rate, Channel, Type, and 状態. At the bottom are 'Save', 'Refresh', and 'Default' buttons.

Be sure to note the SSID and Password.










5. On the IP Camera, go to Setup->Network->WiFi

**IP Camera** Live Setup Alarm Logout

- Camera
- Network
  - TCP/IP
  - Connection
  - PPPoE
  - DDNS
  - IP Filter
  - SMTP(Email)
  - UPnP
  - SNMP
  - Bonjour
  - Multicast
  - WIFI**
  - 802.1x
  - QoS
- Event
- Storage
- System
- Information

WIFI    WPS

Enable

ID List	SSID	Connect mode	Authorization Mode	Signal Quality
<input type="radio"/>	DHT-REPAIR	Auto	WPA/WPA2-PSK-AES	
<input type="radio"/>	DHT-WAREHOUSE	Auto	WPA/WPA2-PSK-TKIP+AES	
<input type="radio"/>	DHT-WAREHOUSE	Auto	WPA/WPA2-PSK-TKIP+AES	
<input type="radio"/>	DHT-OFFICE	Auto	WPA/WPA2-PSK-TKIP	
<input type="radio"/>	DHT-OFFICE	Auto	WPA/WPA2-PSK-TKIP	
<input type="radio"/>	terry123	Auto	WPA/WPA2-PSK-AES	
<input type="radio"/>	HP-Print-57-Officejet Pro 8800	Auto	WPA2-PSK-AES	
<input type="radio"/>	DHT-WAREHOUSE	Auto	WPA/WPA2-PSK-TKIP+AES	
<input type="radio"/>	nwrap_default	Auto	WPA2-PSK-AES	

**WIFI INFO**

Current Hot Spot: nwrap disconnected

IP address

Subnetmask

Default Gateway

6. Locate your NVR's SSID, and click once.

**IP Camera** Live Setup Alarm Logout

- Camera
- Network
  - TCP/IP
  - Connection
  - PPPoE
  - DDNS
  - IP Filter
  - SMTP(Email)
  - UPnP
  - SNMP
  - Bonjour
  - Multicast
  - WIFI**
  - 802.1x
  - QoS
- Event
- Storage
- System
- Information

WIFI    WPS

Enable

ID List				
	SSID	Connect mode	Authorization Mode	Signal Quality
<input type="radio"/>	DHT-REPAIR	Auto	WPA/WPA2-PSK-AES	📶
<input type="radio"/>	DHT-WAREHOUSE	Auto	WPA/WPA2-PSK-TKIP+AES	📶
<input type="radio"/>	DHT-WAREHOUSE	Auto	WPA/WPA2-PSK-TKIP+AES	📶
<input type="radio"/>	DHT-OFFICE	Auto	WPA/WPA2-PSK-TKIP	📶
<input type="radio"/>	DHT-OFFICE	Auto	WPA/WPA2-PSK-TKIP	📶
<input type="radio"/>	terry123	Auto	WPA/WPA2-PSK-AES	📶
<input type="radio"/>	HP-Print-57-Officejet Pro 8800	Auto	WPA2-PSK-AES	📶
<input type="radio"/>	DHT-WAREHOUSE	Auto	WPA/WPA2-PSK-TKIP+AES	📶
<input type="radio"/>	nwrap_default	Auto	WPA2-PSK-AES	📶

**WIFI INFO**

Current Hot Spot: nwrap disconnected

IP address

Subnetmask

Default Gateway

7. Input your NVR's SSID password, and click, "Connecting"

**IP Camera** Live Setup Alarm Logout

**Camera**  
**Network**  
 > TCP/IP  
 > Connection  
 > PPPoE  
 > DDNS  
 > IP Filter  
 > SMTP(Email)  
 > UPnP  
 > SNMP  
 > Bonjour  
 > Multicast  
 > **WiFi**  
 > 802.1x  
 > QoS  
**Event**  
**Storage**  
**System**  
**Information**

WIFI    WPS

Enable Add SSID    Search SSID

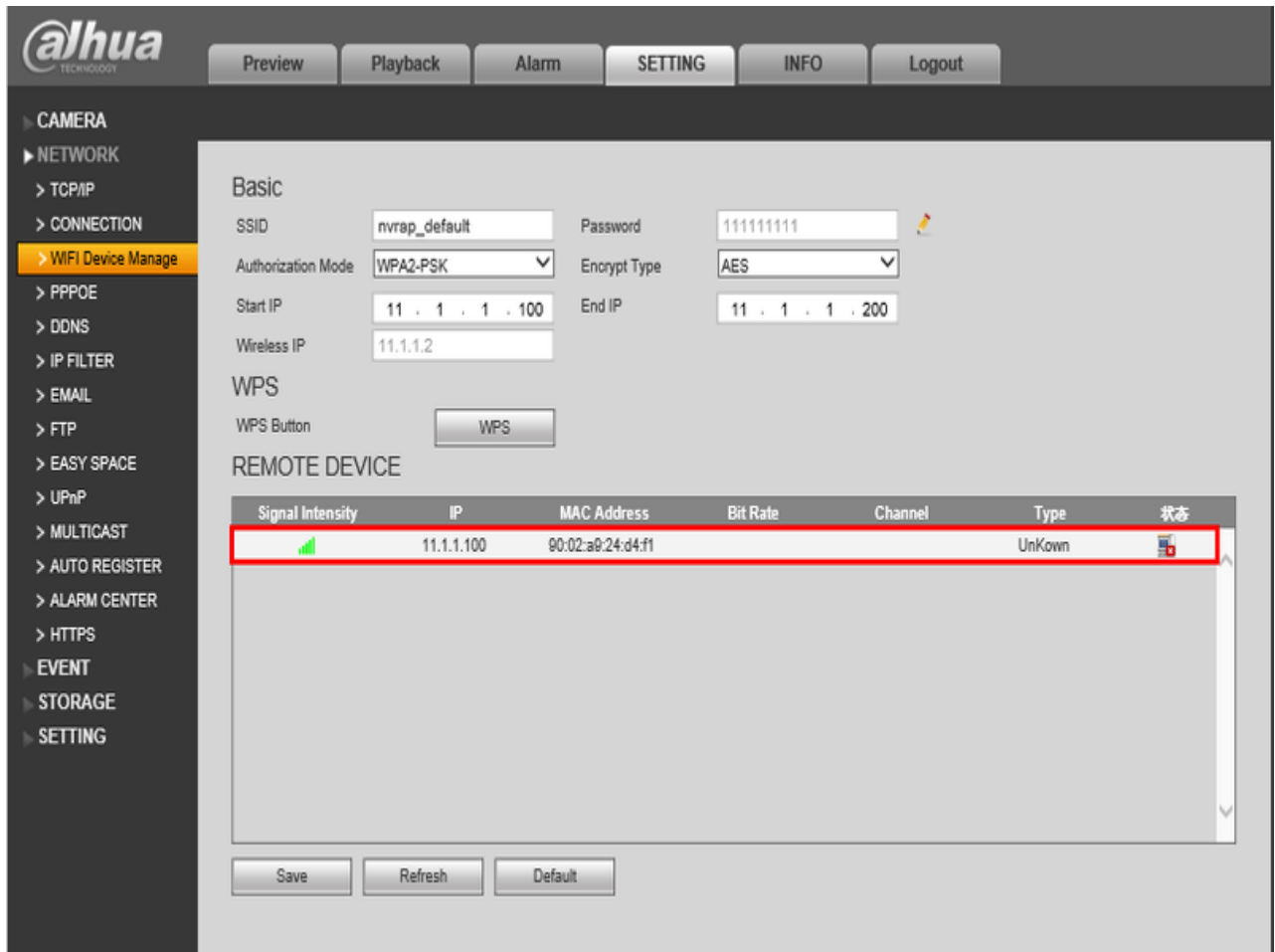
ID List	SSID	Signal Quality
<input type="radio"/>	DHT-REPAIR	100 %
<input type="radio"/>	DHT-WAREHOUSE	100 %
<input type="radio"/>	DHT-WAREHOUSE	100 %
<input type="radio"/>	DHT-OFFICE	100 %
<input type="radio"/>	DHT-OFFICE	100 %
<input type="radio"/>	terry123	100 %
<input type="radio"/>	HP-Print-57-Officejet Pro 8800	100 %
<input type="radio"/>	DHT-WAREHOUSE	100 %
<input type="radio"/>	nvrapi_default	100 %

**WIFI INFO**  
 Current Hot Spot    nvrapi    **disconnected**  
 IP address  
 Subnetmask  
 Default Gateway

**Connect To nvrapi\_default**

Signal Quality    100 %  
 Authentication Manner    WPA2-PSK-AES  
 Input Password    [.....]

8. Go back to the NVR page, go to Settings->Network->WiFi Device Manage



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Preview Playback Alarm **SETTING** INFO Logout

CAMERA

NETWORK

TCP/IP

CONNECTION

**WIFI Device Manage**

PPPOE

DDNS

IP FILTER

EMAIL

FTP

EASY SPACE

UPnP

MULTICAST

AUTO REGISTER

ALARM CENTER

HTTPS

EVENT

STORAGE

SETTING

Basic

SSID: nvrap\_default Password: 1111111111

Authorization Mode: WPA2-PSK Encrypt Type: AES



Start IP: 11 . 1 . 1 . 100 End IP: 11 . 1 . 1 . 200

Wireless IP: 11.1.1.2

WPS

WPS Button: WPS

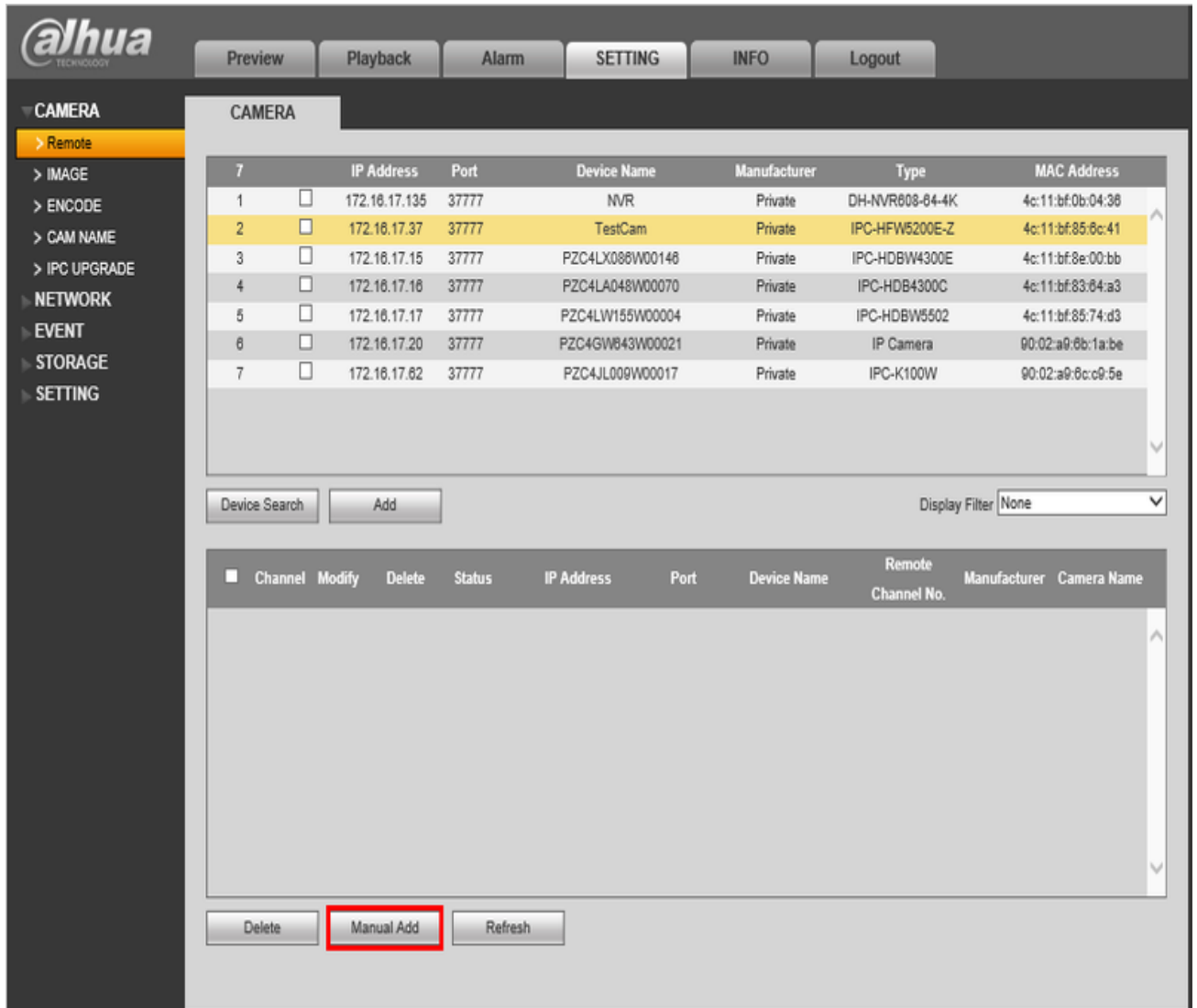
REMOTE DEVICE

Signal Intensity	IP	MAC Address	Bit Rate	Channel	Type	状态
	11.1.1.100	90:02:a9:24:d4:f1			UnKown	

Save Refresh Default

Confirm that the camera is displaying on this page and note the IP address.

9. On the NVR page, go to Setting->Camera->Remote and click, "Manual Add"



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Preview Playback Alarm **SETTING** INFO Logout

**CAMERA**

- > Remote
- > IMAGE
- > ENCODE
- > CAM NAME
- > IPC UPGRADE
- > NETWORK
- > EVENT
- > STORAGE
- > SETTING

7	IP Address	Port	Device Name	Manufacturer	Type	MAC Address
1	<input type="checkbox"/> 172.16.17.135	37777	NVR	Private	DH-NVR608-64-4K	4c:11:bf:0b:04:38
2	<input type="checkbox"/> 172.16.17.37	37777	TestCam	Private	IPC-HFW5200E-Z	4c:11:bf:85:6c:41
3	<input type="checkbox"/> 172.16.17.15	37777	PZC4LX086W00146	Private	IPC-HDBW4300E	4c:11:bf:8e:00:bb
4	<input type="checkbox"/> 172.16.17.16	37777	PZC4LA048W00070	Private	IPC-HDB4300C	4c:11:bf:83:64:a3
5	<input type="checkbox"/> 172.16.17.17	37777	PZC4LW155W00004	Private	IPC-HDBW5502	4c:11:bf:85:74:d3
6	<input type="checkbox"/> 172.16.17.20	37777	PZC4GW843W00021	Private	IP Camera	90:02:a9:6b:1a:be
7	<input type="checkbox"/> 172.16.17.62	37777	PZC4JL009W00017	Private	IPC-K100W	90:02:a9:6c:c9:5e

Device Search Add Display Filter None

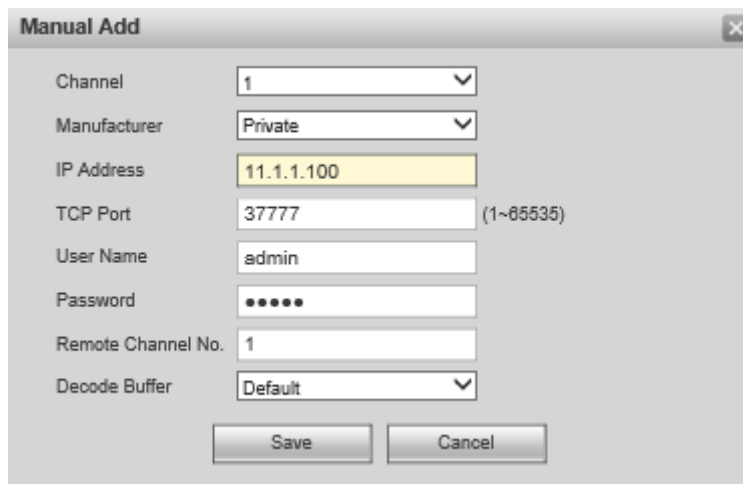
Channel	Modify	Delete	Status	IP Address	Port	Device Name	Remote Channel No.	Manufacturer	Camera Name

Delete **Manual Add** Refresh

10. Input the following:

- Channel: (Any)
- Manufacturer: Private
- IP Address: (Your IP Camera's IP Address)
- TCP Port: 37777
- User Name: admin
- Password: (Your IP Camera's password.) Default is, "admin"

- Remote Channel No. (Any)
- Decode Buffer: Default



The image shows a 'Manual Add' dialog box with the following fields and values:

Field	Value
Channel	1
Manufacturer	Private
IP Address	11.1.1.100
TCP Port	37777 (1-65535)
User Name	admin
Password	•••••
Remote Channel No.	1
Decode Buffer	Default

Buttons: Save, Cancel

11. Hit, "Save"