

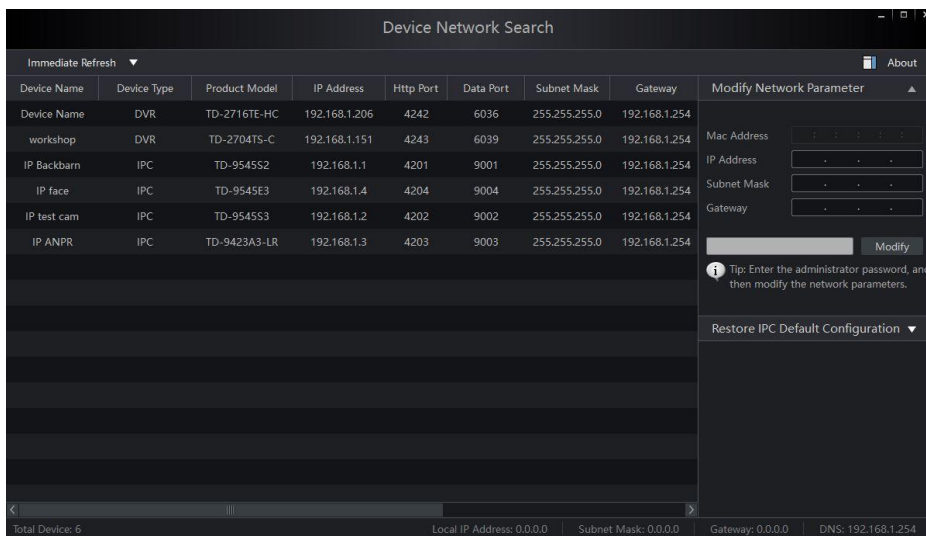
# **CCTV42**

## **IP Camera Setup Guide**

This guide will go through the camera setup to manage and find your camera details on your network, this information can be used to add them to the NVMS viewing software or directly connect and view through the Edge browser on PC, though you will want to go through the Edge setup guide beforehand to make it compatible to view.

## IP Tool

Firstly, download and install the IP Tool from our support site this will scan your network and list all IP cameras and DVR/NVRs that are also connected. As the image below shows it will list the model numbers of all devices as well as IP address, HTTP port and Data port, these are important for connecting the cameras to smartphones or tablet (using HTTP) or NVMS viewing software (using Data port).



The screenshot shows the 'Device Network Search' application window. It features a table of discovered devices and a configuration panel on the right side.

Device Name	Device Type	Product Model	IP Address	Http Port	Data Port	Subnet Mask	Gateway
	DVR	TD-2716TE-HC	192.168.1.206	4242	6036	255.255.255.0	192.168.1.254
workshop	DVR	TD-2704TS-C	192.168.1.151	4243	6039	255.255.255.0	192.168.1.254
IP Backbarn	IPC	TD-9545S2	192.168.1.1	4201	9001	255.255.255.0	192.168.1.254
IP face	IPC	TD-9545E3	192.168.1.4	4204	9004	255.255.255.0	192.168.1.254
IP test cam	IPC	TD-9545S3	192.168.1.2	4202	9002	255.255.255.0	192.168.1.254
IP ANPR	IPC	TD-9423A3-LR	192.168.1.3	4203	9003	255.255.255.0	192.168.1.254

The right-hand panel is titled 'Modify Network Parameter' and includes fields for Mac Address, IP Address, Subnet Mask, and Gateway, each with a dropdown menu. Below these fields is a 'Modify' button. A tip box indicates: 'Tip: Enter the administrator password, and then modify the network parameters.' At the bottom of the panel is a 'Restore IPC Default Configuration' dropdown menu. The status bar at the bottom of the application shows: 'Total Device: 6', 'Local IP Address: 0.0.0.0', 'Subnet Mask: 0.0.0.0', 'Gateway: 0.0.0.0', and 'DNS: 192.168.1.254'.

For example, if you wanted to connect directly to the IP face camera on your local network then the address to type into the Edge browser would be 192.168.1.4:4204 (IP address and HTTP port).

## Logging in

You will want to either use Edge or Internet explorer for adjusting the cameras and to install the plugin at the top of the image below.

Type in the IP address and HTTP port in to the browser address bar and it will take you to the camera's web interface, it will auto fill most of the details for you but you will need to then type the password for that camera. By default, all cameras have a password of "123456" but we would always recommend you change your passwords to something much stronger.

The plugin is not installed or the version needs to be updated, please click [Here](#) to download and install. Before installation, please close your browser.



Name:

Password:


Stream Type:  ▼

Language:  ▼

Remember me


## Main page view

Once through the login you will be presented with the camera's live video feed, the camera will have a lot of the features you will find on the NVR as they are essentially miniature NVRs themselves, clicking on the Config tab will take you to the menu screen.



Live Config Search Logout

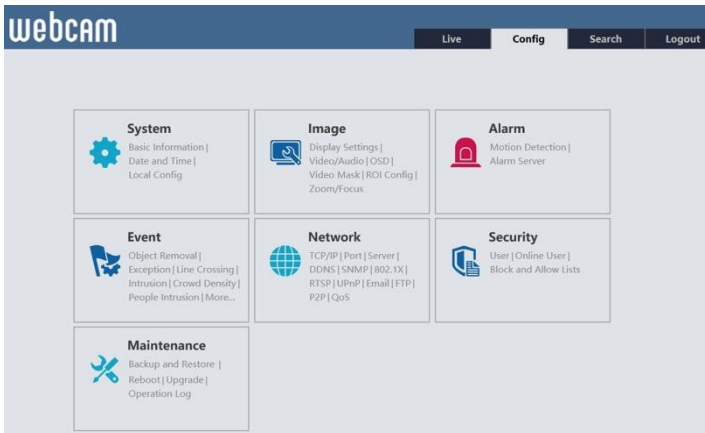
Main stream Sub stream Third stream Balanced ▾



Navigation icons: Home, Refresh, Stop, Play, Full Screen, Settings, Search, Logout, User Profile

## Menu page

As you can see from the image below the menu is very similar to the NVR itself and has many of the function but we are interested in the Network Section in particular the TCP/IP and the ports.



Clicking the Network heading will take you to the below screen, which gives a breakdown of the options.

Config Home ► Network

Network	
● TCP/IP	Set network configuration (IP address, DNS server, PPPoE Etc.)
● Port	Port Settings for HTTP, data and RTSP
● Server	Authentication Server Configuration and settings
● DDNS	DDNS Server configuration
● SNMP	Monitoring any management concern for the device connected to the network
● 802.1X	Allows the user to manually select the device's authentication mode
● RTSP	RTSP Settings and configuration for remote video streaming.
● UPnP	Configure UPnP (Universal Plug and Play)
● Email	E-mail settings and configuration.
● FTP	FTP Server settings and configuration.
● P2P	Open the P2P function, not in the local area net, NVMS, mobile client can access the device through the device ID, etc.
● QoS	Ranking different data packet by adding DSCP to network data packet.

## TCP/IP & Ports

The simplest option is to change the setting from “Obtain an IP address automatically” to “Use the following IP address” this will lock the IP address to the camera so it will not change on restarts or loss of power and to adjust the ports numbers for HTTP and Data, they must be unique to the camera and be 4-5 digits. Clicking save once the changes have been made on each page.

Config Home ▶ Network ▶ TCP/IP

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IPv4

IPv6

PPPoE Config

IP Change Notification Config

Obtain an IP address automatically

Use the following IP address

IP Address

192.168.1.1

Test

Subnet Mask

255.255.255.0

Gateway

192.168.1.254

Preferred DNS Server

8.8.8.8

Alternate DNS Server

8.8.8.8

Save

Config Home ▶ Network ▶ Advanced

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Port

Server

DDNS

SNMP

802.1X

RTSP

UPnP

HTTP Port

4201

Data Port

9001

RTSP Port

554

Save

If you refer to the IP tool this will list the changes you have made and makes for a good reference when you are setting up the NVMS software for viewing on computers.