

## QUICK GUIDE – Connecting CCTV Global IP camera to 3<sup>rd</sup> party NVR PoE Port

CCTV Global Camera support plug & play with some Hikvision NVRs listed below. For all other NVRs you will need to preconfigure the camera IP settings.

NOTE THE CAMERAS SUPPORT PLUG & PLAY ON THE FOLLOWING NVRS:

DS-7604NI-K1 Firmware V3.4.104 or earlier DS-7608/16NI-K2 Firmware V3.4.112 or earlier DS-7608/16NI-I2 Firmware V4.40.016 or earlier NVR-104/8MH-C Firmware V3.4.103 or earlier

To add the cameras your NVR must support ONVIF protocol, please check with your manufacturer

## **1. CONNECT THE CAMERA TO YOUR IP NETWORK**



Connect the camera to your network as per one of the images above.

Download & install the IPC Search Tool https://www.cctv-global.co.uk/support

Online				etmast 🕞 Import	Export	🗘 Refresh			
	Index	Model	Device Name	Firmware Ve	ersion	IP Address	Subnet Mask	GateV	NetWork Param Upgrade
	001	IPCAMERA	IPC	3516AV300_IMX415_X10T1A2M	M1C0P1_W_K30003	192.168.1.245	255.255.255.0	192.168.	IP Address
•	002	IPCAMERA	IPC	3516D_IMX335_X10T0A1M0C1	P1_W_K300033213	192.168.1.170	255.255.255.0	192.168.	192.168.254.10
	003	ONVIF	HIKVISION%20D			192.168.1.246	255.255.255.0	192.168.	255.255.255.0
	004	ONVIF	HIKVISION%20D			192.168.1.248	255.255.255.0	192.168.	GateWay 192.168.254.1
	005	ONVIF	DS-KD8003-IME1			192.168.1.229	255.255.255.0	192.16	DNS
	006	ONVIF	IPC3635ER3-DUPZ			192.168.1.247	255.255.255.0	192.168.	192.168.254.1 HTTP Port
	007	ONVIF	NVR301-08-P8			192.168.1.141	255.255.255.0	192.168.	80 RTSP Port
									554
									DHCP
									SECURITY VERIFY
									Username
									Password
									•••••
									Modify
								,	Forget Password

The default IP address of the camera is 192.168.1.168, with this tool you will modify the IP Address, Subnet Mask, Gateway and DNS settings of the camera to match your NVR PoE port IP address, **this is not the same as your NVR LAN IP address**. Please check with your NVR manual or manufacturer for the correct IP settings of the NVR PoE ports. For example, Hikvision NVR uses 192.168.254.xxx format, with a 192.168.254.1 gateway & DNS address.

- Change the camera IP address as required
- Change the Gateway & DNS as required
- Enter the default password admin and click modify

If you want to change the camera password, then before changing the IP address to match the NVR, change the camera IP address to match your LAN settings and log into the camera via a Web Browser. Go to **Configuration / System / Security** and click on **edit** and change the password. Logout and now use IPC search tool to change the IP settings to match the NVR POE port Connect the camera to the NVR PoE and log in to your NVR on the local monitor, go to the camera settings page in your NVR.

The example below is from Hikvision NVR

Click on **Edit** to change the camera settings.

- Change the adding method from Plug & play to Manual adding
- Confirm the IP address is correct
- Protocol = **ONVIF**
- Port = **80**
- Channel port = 1
- Transfer Protocol = Auto
- username = admin
- password = admin
- Click OK

, IP Camera IP Ca	mera Import/Export PoE Settings							
	Edit IP Camera							
IP Camera No. D1								
Adding Method	Manual	era Nan						
IP Camera Address	192.168.254.2	imera 02						
Protocol	ONVIF	mera 03						
Management Port	80	imera 04						
Channel Port	1							
Transfer Protocol	Auto	-						
. User Name	admin							
Password								
	1 2 3 4 5 6 7 8 9 0							
0	q w e r t y u i o p a s d f g h j k l	A Cust						
E cha late Bandwidth; 40Mbps								

After approx. 30 seconds the camera should be connected if the settings are correct

Next go to the record parameters in the NVR and make sure the settings are correct for the camera and the NVR. For example if your NVR only supports H.264 make sure the encoding is set to H.264 and check the max bit rate seting, if your NVR supports H.265 this will reduce the bandwidth and data but double check the recording is working correctly.

Typical setting at 2560 x 1440 on H.264 = 8192 kbps Typical setting at 2560 x 1440 on H.265 = 4096 kbps

Camera	[D1] IPCamera 01					
Encoding Parameters	Main Stream(Continuous)	Main Stream(Event)				
Stream Type	Video & Audio	Video & Audio				
Resolution	2560*1440 ~		2560*1440			
Bitrate Type	Variable		Variable			
Video Quality	Medium		Medium			
Frame Rate	25fps		25fps			
Max. Bitrate Mode	General ~		General 8192 6000~10000(Kbps)			
Max. Bitrate(Kbps)	8192					
Max. Bitrate Range Reco	6000~10000(Kbps)					
Video Encoding	H.264		H.264			
Enable H.264+						
More Setting		,		¢		

Reboot your NVR after saving changes.

## Double check your recording playback is working correctly.

## Please refer to your NVR manual and complete all the settings as required.

This guide may contain information that is not technically accurate and may be updated without notice