

#### ADDING IPC TO RECORDERS USING EXTERNAL POE SWITCH

PRODUCTS: HIKVISION CAMERA AND NVR GUI3 & GUI4

TOPICS COVERED IN THIS KBA: How to manually connect a camera to an NVR using external PoE switch

Typical network topology

CCTV









Adding an IP Camera across a network connection we need to do the following:

#### 1. Activate IP camera

- I. To activate an IP camera a PC/Laptop is required. Both IP camera and PC/Laptop must be on the same network (IP Range). Plug your PC/Laptop and the camera into an unused port on the POE switch.
- II. Make sure you have the latest SADP software on your laptop, if not download the latest SADP software from Hikvision's website.
- III. Run SADP tool.
- IV. Select "Inactive" Device and set a complex password to activate the camera.







#### **KNOWLEDGE BASE ARTICLE**

V. Once the device is Active you will be able to Modify Network Parameters (use ping test to find an available IP OR use the IP range your client has specified)

SADP													Marife Maturals	© _ 6
otal number	of online devices:									Lxpo	Refresh		E Feable DBCR	an an month's
	Device Type	-   Status	IPv4 Address	Port	Software Version	IPv4 Gateway	HTTP Port	Device Serial No.	Subnet Mask	MAC Address	Encoding Chann	I(t)	Enable HileCon	nect
001	DS-7732NI-14/16P	Active	10.0.0.126	8000	V3.3.566iid 160115	10.0.254	8180	DS-7732NI-14/16P1620160222CC10C	255,255,255,0	20-57-be-ah00-57	0		Device Cerial No.:	D5.3CD3H85EMD (7530)711044
002	DS-7618NI-12/16P	Anting	128 100 0 55	8000	V5.4.930018 171124	0.000	00		255,255,255,0	00-80-20-81-03-77	0			
004	DS-20102231-402	Active	128.100.0.54	4000	V5.5.3build 171025	0.000	80	DS-2002755000-175201711104004-	2552552550	b4-a3-82-53-18-8a	0		IP Address	192.168.1.64
005	DS+2CD2H85PWD+IZ5	Active	192,168,1,64	8000	V5.5.3build 171025	192,168,1,1	80	DS-2CD2H85PWD-IZ520171104AA	255,255,255,0	b4-a3-82-46-56-aa	0		Ports	8000
												L.	Subnet Mask:	255.255.255.0
												۳Ĺ,	Gateways	192.168.1.1
													IPv6 Address	
													IPv6 Gateway:	
													IPvG Prefix Lengths	64
													HTTP Ports	80
													Admin Democrat	
													Actini rezzirore.	
														Modify
														Forgot Passwo

How to perform a Ping test

(Make sure to do ping test using the CMD to check if the IP/address is currently used or not.

From the start menu search CMD:



Type in ping (space) then the IP you want to test,

Ex1: Ping 192.168.1.2

As below the ping result shows reply (Time=<1ms TTL=128)

which means you can't use this IP address as it's been used by another network device.









Ex2: ping 192.168.1.10

As below the ping result shows no-reply (Destination host unreachable)

Which means you can use the IP address



VI. Enter the IP address details that you want this camera to have (must be on the same network range as the NVR or it won't see them), enter the password you activated the camera with and click modify

"it's recommended to put 0.0.0.0 to the gateway of the **camera**, to avoid communicating with the WAN network (router)

		-		
Modify Network	Parameters		Modify Network	Parameters
Enable DHCP				
Enable Hik-Cor	inect		Enable DHCP	
			Enable Hik-Cor	inect
Device Serial No.:	DS-2CD2H85FWD-IZS20171104AA		Device Serial No.:	DS-2CD2H85FWD-IZS20171104AA
IP Address:	192.168.1.64		IP Address:	10.10.4.228
Port	8000		Ports	8000
Subnet Mask:	255.255.255.0		Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1		Gateway:	10.10.4.254
IPv6 Address:	н		IPv6 Address:	=
IPv6 Gateway:			IPv6 Gateway:	н
IPv6 Prefix Length:	64		IPv6 Prefix Length:	64
HTTP Ports	80		HTTP Port:	80
Admin Password:			Admin Password:	•••••
	Modify			Modify
	Forgot Password			Forgot Password
	. sigor russiona			







VII. The camera should now have the IP address you assigned

1

	SADP													©_ ø×
	Total number	of online devices: 5									Expor	Refresh	Modify Network	Parameters
	<ul> <li>ID</li> </ul>	Device Type	•   Status	IPv4 Addres	ss   Port	Software Version	IPv4 Gateway	HTTP Port	Device Serial No.	Subnet Mask	MAC Address	Encoding Channel	s)]	
Ľ	001	DS-7732NI-14/16P	Active	10.0.0.126	8000	V3.3.5build 160115	10.0.0.254	8180	DS-7732NI-14/16P1620160222CCRR	255.255.255.0	28-57-be-af-6d-57	0	Enable Hik-Co	nnect
	002	DS-7616NI-12/16P	Active	10.10.4 84	8000	V3.4.93build 171124	10.10.4.254	80	DS-7616NI-12/16P1620160628CCRR	255.255.255.0	bc-ad-28-a1-65-77	0	Device Serial No.:	DS-2CD2H85FWD-IZS20171104AA
	003	DS-2DF82231-AEL	Active	128.100.0.5	6 8000	V5.4.9build 170123	0.0.0.0	80	DS-2DF8223I-AEL20150912CCWR54	255.255.255.0	c4-2f-90-cc-d5-02	0	IP Address:	10.10.4.228
	004	DS-2CD2755FWD-IZS	Active	128. 0.5	4 8000	V5.5.3build 171025	0.0.0.0	80	DS-2CD2755FWD-IZS20171110AAW	255.255.255.0	b4-a3-82-53-18-8a	0	Dects	8200
	005	DS-2CD2H85FWD-IZS	Active	10.10.4.228	8000	V5.5.3build 171025	10.10.4.254	80	DS-2CD2H85FWD-IZS20171104AA	255.255.255.0	b4-a3-82-46-56-aa	0	Port	8000
													Subnet Mask:	255.255.255.0
													Gateway:	10.10.4.254
													IPv6 Address:	-
													IPu6 Gateway	
													IPv6 Prefix Length:	64
													HTTP Port	80
													Admin Password:	
													_	
														Modify
														Forgot Password



## CENTRAL SECURITY DISTRIBUTION



![](_page_5_Picture_2.jpeg)

## **KNOWLEDGE BASE ARTICLE**

2- Now you need to assign the cameras to the NVR, there are two ways to do it,

Method 1) Web-Interface of the NVR

Method 2a) Local-GUI of the NVR V3.X

Method 2b) Local-GUI of the NVR V4.X

In this section of the KBA we going to discuss how to assign the cameras to the NVR using Method 1.

- Using Internet Explorer web browser enter the IP address of your NVR into the address bar .
- Log into the NVR using the admin credentials. •
- Select configuration

![](_page_5_Picture_12.jpeg)

Then select Camera Management

Conf	iguration	× *	
н	VISION	Live View Playback Picture Configuration	
Q	Local	Basic Information Time Settings RS-485 Menu Output About	
	System	Device Name Network Video Recorder	]
L	System Settings	Device No. 255	]
·	Maintenance	Model DS-7616NI-I2 / 16P	]
	Security 🔶	Serial No. DS-7616NI-I2 / 16P1620160628CCRR613984647WCV	]
	Camera Management	Firmware Version V3.4.93 build 171124	Update
	User Management	Encoding Version V5.0 build 170325	
Ð	Network	Web Version V4.0.51 build 171117	
<u>Q.</u>	Video/Audio	Plugin Version V3.0.6.13	
1	Image	Number of Channels 16	1
曲	Event	Number of HDDs 1	1
B	Storage	Number of Alarm Input 4	
6	Vehicle Detection	Number of Alarm Output 1	
έQ			
		🗎 Save	

![](_page_5_Picture_15.jpeg)

![](_page_6_Picture_0.jpeg)

![](_page_6_Picture_1.jpeg)

- × 📑 Configuration Playback Configuration IP Camera 🖵 Local System IP Camera System Settings Maintenance Security Add Modify Delete Quick Add Custom P.... Activation Default Upgrade Channel No. IP Address Channel No. Management Port Security Status Protocol Connect 
   D01
   192.0.0.4
   1
   8000
   N/A
   Online
   HIKVISION
   http://10...

   D02
   192.0.24
   1
   8000
   N/A
   Offline(IP camera...
   HIKVISION
   http://19...
   HIKVISION http://10.... Camera Management User Management 
   D03
   192.0.25
   1
   8000
   N/A
   Offine(/P camera...
   HiKVISION
   http://19...

   D04
   192.0.17
   1
   8000
   N/A
   Offine(/P camera...
   HiKVISION
   http://19...

   D04
   192.0.0.17
   1
   8000
   N/A
   Offine(/P camera...
   HiKVISION
   http://10...
   Network 8000 Video/Audio D05 192.0.0.7 1 N/A Offline(IP camera... HIKVISION http://10.. D06 192.0.0.3 1 8000 N/A Offine(IP camera... HIKVISION http://10... 🔝 Image 
   D07
   192.0.0.31
   1
   8000
   N/A
   Offine(IP camera...
   HIKVISION
   http://10...

   D08
   192.0.0.22
   1
   8000
   N/A
   Offine(IP camera...
   HIKVISION
   http://10...

   D09
   192.0.10
   1
   8000
   N/A
   Offine(IP camera...
   HIKVISION
   http://10...
   Event 🖺 Storage 
   D09
   192.0.0.0
   1
   8000
   N/A
   Offine(/P camera...
   HKVISION
   http://10...

   D10
   192.0.0.11
   1
   8000
   N/A
   Offine(/P camera...
   HKVISION
   http://10...

   D11
   192.0.0.12
   1
   8000
   N/A
   Offine(/P camera...
   HKVISION
   http://10...
   C Vehicle Detection D11 192.0.0.12 1 8000 N/A Offline(IP camera... HIKVISION http://10. D12 192.0.0.13 1 8000 N/A Offline(IP camera... HIKVISION http://10... D13 192.0.0.14 1 8000 N/A Offline(IP camera... HIKVISION http://10....
- You will be presented with the Camera Management screen as follows

• Select the camera channel that you wish to modify (NOTE: Once a network camera has been assigned this channel cannot be used for plug & play, for example cannot plug camera in o this PoE Port)

Octor 🕑	figuration ×			/					
HI	KVISION	Live View	Playback	Picture	Configur	ation			
Ţ	Local	IP Camera							
	System	IP Came	era						
	System Settings		Add Modify	y Delete	Quick Add	Custom P	Activation Defa	ault Up	grade
	Maintenance	🗌 Chan	nel No. IP Addres	Channel No.	Management Port	Security	Status	Protocol	Connect
	Security		01 192.0.0.4	1	8000	N/A	Online	HIKVISION	http://10
	Camera Management		192.0.0.24	1	8000	N/A	Offline(IP camera	HIKVISION	http://19
	User Management		03 192.0.0.25	1	8000	N/A	Offline(IP camera	HIKVISION	http://19
G	Network		04 192.0.0.17	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
<u>Q.</u>	Video/Audio		05 192.0.0.7	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
1	Image		06 192.0.0.3	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
間	Event		07 192.0.0.31	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
	Storage		08 192.0.0.22	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
6	Vehicle Detection		09 192.0.0.10	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
ĘQ	Vehicle Detection		10 192.0.0.11	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
			11 192.0.0.12	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
			12 192.0.0.13	1	8000	N/A	Offline(IP camera	HIKVISION	http://10
		D	13 192.0.0.14	1	8000	N/A	Offline(IP camera	HIKVISION	http://10

• Select Modify to enter the camera IP details

![](_page_6_Picture_8.jpeg)

![](_page_7_Picture_0.jpeg)

#### **KNOWLEDGE BASE ARTICLE**

• You will have the following screen open and you will need to change the adding method to manual

IP Camera	×	IP Camera	×
IP Camera Address	192.0.0.24	IP Camera Address	192.0.0.24
Protocol	HIKVISION 🗸	Protocol	HIKVISION V
Management Port	8000	Management Port	8000
Channel No.	1	Channel No.	1
User Name	admin	User Name	admin
Password	•••••	Password	•••••
Confirm	•••••	Confirm	
Transfer Protocol	Auto 🗸	Transfer Protocol	Auto 🗸
Adding Method	Plug-and-Play	Adding Method	Plug-and-Play Manual
	OK Cancel		OK Cancel

• You will now be able to enter in the IP address details (1) and login credentials (2) for the camera you wish to add, once your details have been added click OK (3)

iP Camera		×
IP Camera Address	▶ 192.0.0.24	1
Protocol	HIKVISION V	
Management Port	8000	
Channel No.	1	
User Name	admin	
Password	•••••	
Confirm	•••••	2
Transfer Protocol	Auto	
Adding Method	Manual 🗸	
	3 OK Cance	:I

• Your camera will now be added but will show as being offline

D02 10.10.4.228 1 8000 N/A Offline(IP camera... HIKVISION

• Select a different menu option and then select Camera Management again to update the camera status and it should now report that its online

D02 10.10.4.228 1 8000 V	ak Online
--------------------------	-----------

• Repeat the process for all network cameras

![](_page_7_Picture_12.jpeg)

![](_page_8_Picture_0.jpeg)

## **KNOWLEDGE BASE ARTICLE**

In this section of the KBA we going to discuss how to assign the cameras to the NVR using Method 2a.

- Log into the NVR and go to Camera Management,
- For unit which has Plug and Play Ports, you will see there are already channels in the list, these channels can't be deleted as it's corresponding to the PoE ports on the back.

Camera management for PoE recorder:

OD     Bonge     D1     O     D		Show Passwo	rd of IP Camera								
D1         NA         192.0.4         R         9         Tach Office 1         190/02           P F72         D2         A         NA         192.0.23         E         -         PCenere 02         MK/080           D3         -         A         NA         192.0.23         E         -         Camere 02         MK/080           D3         -         A         NA         192.0.23         E         -         Camere 02         MK/080           D4         A         NA         192.0.6.7         E         -         Camere 01         MK/080           D5         -         A         NA         192.0.6.7         E         -         Camere 01         MK/080           D5         -         A         NA         192.0.6.7         E         -         Camere 01         MK/080           D5         -         A         NA         192.0.6.31         E         -         PCamere 01         HK/080           D7         -         A         NA         192.0.6.31         E         -         PCamere 01         HK/080           D7         -         A         NA         192.0.6.31         E         PCamere 01         HK	OSD	Camera No.	Add/Delete	Stetus	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol	
PTZ         BD2         -         N/A         122.0.23         B         -         PCenere 02         PRK188           D03         -         A         N/A         1122.0.5         B         -         Camere 01         HRX188           D04         -         A         N/A         1122.0.5.17         B         -         Camere 01         HRX188           D05         -         A         N/A         1122.0.5.17         B         -         PCenere 01         HRX188           D05         -         A         N/A         1122.0.5.31         B         -         PCenere 05         HRX185           D05         -         A         N/A         1122.0.5.21         B         -         PCenere 05         HRX185           D05         -         A         N/A         1122.0.5.21         B         -         PCenere 05         HRX185           D05         -         A         N/A         1122.0.5.22         B         -         PCenere 05         HRX1855           D05         -         A         N/A         1122.0.5.22         B         -         PCenere 05         HRX1855           E         Smait Event         I <t< td=""><td>image</td><td>DI</td><td>-</td><td></td><td>N/A</td><td>192.0.0.4</td><td></td><td>1</td><td>Tech Office 1</td><td>HIKVISIO</td><td>N</td></t<>	image	DI	-		N/A	192.0.0.4		1	Tech Office 1	HIKVISIO	N
P12         BD3         -         A         NA         192.0.9         B         -         Canves 61         HRVER           Molion         BD4         -         A         NA         192.0.9         B         -         Canves 61         HRVER           Phycy Mesk         BD6         -         A         NA         192.0.17         B         -         Canves 61         HRVER           Video         -         A         NA         192.0.37         B         -         Canves 61         HRVER           Video         -         A         NA         192.0.37         B         -         Canves 61         HRVER           Video         Col         -         A         NA         192.0.31         B         -         PCanves 61         HRVER           Video         Loss         BD6         -         A         NA         192.0.22         B         -         PCanves 61         HRVER           Video         Loss         BD3         -         Canves 61         HRVER         Canves 61         HRVER           Video         Loss         BD3         -         PCanves 01         HRVER         RVER         RVER         RVER	077	D2	-	<b>A</b>	N/A	192.0.0.23		-	IPCamera 02	HIKVISIO	N
Mode         -         A         NA         192.0.17         III         -         Camera 01         HKNER           Privacy Mask         BD5         -         A         NA         192.0.27         B         -         Camera 01         HKNER           Wole Tampering         BD5         -         A         NA         192.0.23         B         -         PCamera 01         HKNER           Video Loss         BD5         -         A         NA         192.0.23         B         -         PCamera 01         HKNER           Video Loss         BD5         -         A         NA         192.0.22         B         -         PCamera 01         HKNER           Smart Evert         III         I         I         -         PCamera 01         HKNER           Enable H 205 (Por Initial Access)         IIII         -         PCamera 01         HKNER         Custom Adding           Enable H 205 (Por Initial Access)         IIII         -         -         PCamera 02         Custom Adding	212	ED3		<b>A</b>	N/A	192.0.0.9			Camera 01	HIKVISIO	N
Privacy Mask         IDC         -         A         NA         112.0.0.7         B         -         Cames 01         MAXASK           Video Tampening         IDD         -         A         NA         112.0.0.31         B         -         PCames 01         HAXASK           Video Tampening         IDD         -         A         NA         112.0.0.31         B         -         PCames 01         HAXASK           Video Loss         IDD         -         A         NA         112.0.0.10         B         -         PCames 01         HAXASK           Small Event         IDD         -         A         NA         112.0.10         B         -         PCames 01         HAXASK           Small Event         IDD         -         A         NA         112.0.10         B         -         PCames 01         HAXASK           Small Event         IDD         -         A         NA         112.0.10         B         -         PCames 01         HAXASK           Enable H-1205 (PCI Initial Access)         IDD         IDD         IDD         Add Al Cameras         Custern Adding	Molion	ED4		<b>A</b>	N/A	192.0.0.17			Camera 01	HIKVISIO	4
Print y math     IDG     -     A     NA     112.0.0.3     III     -     PCamers 05     HMX/800       Vides Lass     IIIO7     -     A     NA     122.0.0.31     III     -     PCamers 07     HRX/800       Vides Lass     IIIO7     -     A     NA     122.0.0.21     III     -     PCamers 07     HRX/800       Vides Lass     IIIO7     -     NA     122.0.21     III     -     PCamers 07     HRX/800       Vides Lass     IIIO7     -     NA     152.0.610     III     -     PCamers 07     HRX/800       Small Evel     IIIO7     -     IIIO7     IIIO7     -     NA     152.0.610     III     -     PCamers 07     HRX/800       Small Evel     IIIO7     -     IIIO7     IIIO7     -     IIIO7     -     PCamers 07     HRX/800       Evel     IIIO7     IIIO7     IIIO7     IIIIIII     IIIO7     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Privacy Mark	ED5		<b>A</b>	N/A	192.0.0.7			Camera 01	HIKVISION	4
Video Tampening  Video Tampening  Video Loss  D  O	Privecy mean	ED6		<b>A</b>	N/A	192.0.0.3			IPCamera 06	HIKVISION	1
Video Loss  Video Loss  DO  A NA  112.2.0.22 B  A PCamera 0 PCamer	Video Tampering	<b>B</b> D7		<b></b>	N/A	192.0.0.31			IPCamera 07	HIKVISION	1
Smart Event DO - A NA 192.0.10 B - PCamera D HAVADO	Video Loss	<b>2</b> 08		<b>A</b>	NA	192.0.0.22			IPCamera 08	HIKVISION	ł
E Smart Event Rathash One-Souch Activate Upgrade Delete Add Al Cameras Custon Adding Enables 11.255 (For Initial Access)		ED9			N/A	192.0.0.10		-	IPCamera 09	HIKVISION	ł
Enable H 265 (Per Initial Access)	Smert Event		-	One-Inuch A	chate Up	orada Di	elele	Add A	a Cameras	Custom Adding	
Endels TI 203 (FOT PREF ACCESS)		The second se	irean	Cito tocking							
		Enable H.205	(For Initial Access	5)							

Camera management for Non-PoE recorder:

			Camera Manageme	ed .			
Camera	P Camera IP Camera Import/E	Export PoE Config	guration				
at OSD	Show Password of IP Camer	•					
	Camera No. Add/Delete	Status	Security	IP Camera Address	Edit Upgrad	e Camera Name	Protocol ^
😌 Image							
• PTZ							
1 Motion							
Privacy Mask							
+ Video Tempering							
1 Video Loss							
8 Smart Event	[4]	1 1					
	Refresh	One-touch Ac	tivate Upgra	de Dela	nte Add	All Cameras	Custom Adding
	Enable H.265 (For Initial Acc	ess)					
							Back

![](_page_8_Picture_9.jpeg)

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## CENTRAL SECURITY DISTRIBUTION

CCTV

i)

### **KNOWLEDGE BASE ARTICLE**

If your Recorder has Plug and Play ports, then all you will need follow the below procedure:

Click the Edit button to change the channel from plug and play to Manual

000	Show Passwo	rd of IP Camera								
osd	Camera No.	Add/Delete	Status	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol	
Image	D1	-		N/A	192.0.0.4	2	1	Tech Office 1	HIKVISION	N
PT7	D2	-	<b></b>	N/A	192.0.0.23		-	IPCamera 02	HIKVISION	N
-12	D3	-	<b></b>	N/A	192.0.0.9		-	Camera 01	HIKVISION	1
Motion	ED4	-	<b></b>	N/A	192.0.0.17		-	Camera 01	HIKVISION	1
Privacy Mask	D5	-	<u> </u>	N/A	192.0.0.7		-	Camera 01	HIKVISION	1
Plivacy Mask	ED6	-	<b></b>	N/A	192.0.0.3		-	IPCamera 06	HIKVISION	
Video Tampering	D7	-	<b></b>	N/A	192.0.0.31		-	IPCamera 07	HIKVISION	
Video Loss	ED8	-	<b></b>	N/A	192.0.0.22		-	IPCamera 08	HIKVISION	ļ
	D9	-		N/A	192.0.0.10		-	IPCamera 09	HIKVISION	ł
Smert Event	R	efresh	One-touch A	tivate u	pgrade C	Delete	Add Al	Cameras	Custom Adding	
	Enable H.265	(For Initial Acces	s)							

![](_page_9_Picture_5.jpeg)

![](_page_10_Picture_0.jpeg)

![](_page_10_Picture_1.jpeg)

Change the Adding Method to manual by clicking the drop-down box (NOTE: Once a network camera has been assigned this channel cannot be used for plug & play, for example cannot plug camera into this POE Port)

		Edit IP Camera	
P Camera No.	D2		
Adding Method	Plug-and-Play		
IP Camera Address	192.0.0.23		
Protocol	HIKVISION		
Management Port	8000	*	
Channel Port	1		
Transfer Protocol	Auto		
User Name	admin		
Password			
Password			

	Edit IP Camera	the second s
IP Camera No.	D2	
Adding Method	Plug-and <mark>-</mark> Play	7
IP Camera Address	Manual	Ĩ
Protocol	Plug-and-Play	
Management Port		
Channel Port	1	•
Transfer Protocol	Auto	-
User Name	admin	
Password		
	Protocol	OK Cancel

![](_page_10_Picture_6.jpeg)

# CENTRAL SECURITY DISTRIBUTION

![](_page_11_Picture_1.jpeg)

5

### **KNOWLEDGE BASE ARTICLE**

iii) Enter the IP Address that you have assigned to the camera earlier and enter the password you used to activate the camera and click OK

	Edit IP Camera	
P Camera No.	D2	
Adding Method	Manuel	
P Camera Address	10.10.4.228	
Protocol	HIKVISION	
Management Port	8000	
Channel Port	1	
Transfer Protocol	Auto	
User Name	admin	
Password		
	Protocol	OK Cencel

![](_page_11_Picture_5.jpeg)

![](_page_12_Picture_0.jpeg)

#### **KNOWLEDGE BASE ARTICLE**

iv) The camera will attempt to connect and once it does you will have the connected status symbol

Camera IP Ca	amera Import/Expo	rt PoE Confi	guration					
Show Passwo	rd of IP Camera							
Camera No.	Add/Delete	Status	Security	IP Ca	mera Address	Edit	Upgrade	Camera Nam
D1		0	N/A	192.0	).0.4	1	1	Tech Office 1
D2	-		Weak Pass	sword 10.10	0.4.228		1	Camera 01
D3	-	<b></b>	N/A	192.0	0.0.9		-	Camera 01
D4	-	<b></b>	N/A	192.0	0.0.17			Camera 01
D5	-	<b>_</b>	N/A	192.0	0.0.7		-	Camera 01
D6	-	<b></b>	N/A	192.0	0.0.3			IPCamera 06
D7	-	<b></b>	N/A	192.0	0.0.31		-	IPCamera 07
D8	-	<b></b>	N/A	192.0	0.0.22		-	IPCamera 08
D9	-		N/A	192.0	0.0.10		-	IPCamera 09
<								

v) Repeat the process for all network cameras

For Non-PoE Recorders, you will need to use the "<u>Custom adding</u>" or "<u>add all the cameras</u>" (after configuring the network settings)

![](_page_12_Picture_7.jpeg)

![](_page_13_Picture_0.jpeg)

#### **KNOWLEDGE BASE ARTICLE**

In this section of the KBA we going to discuss how to assign the cameras to the NVR using Method 2b.

- Log into the NVR and go to Camera Management,
- For unit which has Plug and Play Ports, you will see there are already channels in the list, these channels can't be deleted as it's corresponding to the PoE ports on the back.

Camera management for PoE recorder:

<b>NVR</b> 4.0					
Camera V	Select All + Custom Add	CDelete	•• More Settings		Enter a keyword.
PoE Channel Display Privacy Mask Video Parametere	4	4	4	Δ	4
	D1: IP camera does not exist.	D2: IP camera does not exist.	D3: IP camera does not exist.	D4: IP camera does not exist.	D5: IP camera does not exist
	Δ	4	4	4	4
* *	D6: IP camera does not exist.	D7: IP camera does not exist.	D8: IP camera does not exist.	D9: IP camera does not exist.	D10: IP camera does not exist.
-					
	Dist-IP compare drive and evial	D19-IB namera dnao nul avice	D13-IP namers char and avid	D16 · D remark drag and exist	D15-ID namera dhav not aviet

If your Recorder has Plug and Play ports, then all you will need follow the below procedure:

ii) Click the Edit button to change the channel from plug and play to Manual

![](_page_13_Picture_9.jpeg)

![](_page_13_Picture_10.jpeg)

![](_page_14_Picture_0.jpeg)

![](_page_14_Picture_1.jpeg)

Change the Adding Method to manual by clicking the drop-down box (NOTE: Once a network camera has been assigned this channel cannot be used for plug & play, for example cannot plug camera into this POE Port)

Luit			
	IP Camera No.		
1.	Adding Method	Plug-and-Play	
e	IP Camera Address	128.100.0.3	
	Protocol	HIKVISION	
	Management Port	8000	
	Channel Port	1	
	Transfer Protocol	Auto	
	User Name	admin	
ot e	Password		
	Use Channel Defaul		
		ок	

IP Camera No.	D1	
Adding Method	Plug-and-Play	•
IP Camera Address	Manual	
Protocol	Plug-and-Play FilKVISION	
Management Port	8000	
Channel Port	1	
Transfer Protocol	Auto	
User Name	admin	
Password		

![](_page_14_Picture_6.jpeg)

![](_page_15_Picture_0.jpeg)

![](_page_15_Picture_1.jpeg)

vi) Enter the IP Address that you have assigned to the camera earlier and enter the password you used to activate the camera and click OK

Edit IP Camera	111111111	X
	1111111	
IP Camera No.	D1	
Adding Method	Manual	
IP Camera Address	10.10.4.228	
Protocol	HIKVISION	
Management Port	8000	
Channel Port	1	
Transfer Protocol	Auto	
User Name	admin	
Password	******	₩⊗
Use Channel Defaul		
X		ок

vii) The camera will attempt to connect and once it does you will see a thumbnail of the camera view

![](_page_15_Picture_6.jpeg)

viii) Repeat the process for all network cameras

For Non-PoE Recorders, you will need to use the "<u>Custom adding</u>" or "<u>add all the cameras</u>" (after configuring the network settings of the cameras and the NVR)

![](_page_15_Picture_9.jpeg)