

How to add an old WBOX IP camera to a new NVR V4.2?

This article outlines the steps in adding the old WBOX cameras to the new WBOX NVR. This can also be used as a guide in adding other brands of IP cameras to the new WBOX NVR.

There are two methods that can use to add the camera to the NVR:

- 1. The camera is connected to the POE port of the NVR.
- 2. The camera is connected to a POE switch or a router.

Product Models:

NVR
0E-4CHNVR1TB / 0E-4CHNVR2TB
0E-8CHNVR2TB
0E-16CHNVR2T / 0E-16CHNVR4T

Firmware Version: V4.2.XXXX.0000.157.X.XX.X.X

The camera is connected to the POE ports of the NVR

Procedures:

1. Connect the camera and laptop/PC to the POE ports at the back panel of the NVR (not the LAN/Internet port). See image below.





- 2. Check the POE IP address on the NVR.
 - If you are adding several cameras that were previously added on another NVR, you need to change the POE IP address of the new NVR to the existing IP address range of the cameras.
 - If the camera was never added to an NVR or just recently reset to factory setting, you may need to set the IP address of the camera to the same range as the POE IP address of the NVR.

The default POE IP address of the NVR is 169.254.10.121. You can find the POE IP address in **Setting > Network > POE**

🗙 Setting	Channel	Record	Alarm	Network	System	×
▶ Notwork	IP	Port	POE			
⊳ DDNS		IP Address		169.254.	10.121	
⊳ E-mail		Subnet Mask		255.255.	255.0	
⊳ UPnP		Gateway		169.254.	10.1	
⊳ P2P		*The POE para	imeters are i	modified and the	device will reboot*	k
⊳ IP Filter						

3. To change the IP address of the camera, you need to install the WBOX Device Tool on your PC. You can download the tool here: <u>http://bit.ly/2l1xRqa</u>.

BOX		_		w	Box Device Search To	ol	_	_	_ o ×
W BOX	Online Devices	🚺 Help							
Q	Total number of o	online devices: 1			Save a	is Excel 🕜 Refre	sh	Modify Network Para	meters
ID 1	Device Type	IPv4 Address	Security	Port	Software Version	IPv4 Gateway	нтт2	IP Address:	169.254.10.198
001	0E-31DF28	192.168.254.10	Active	8000	V5.3.0build 170214	192.168.254.254	80	Port:	8000
							3	Subnet Mask:	255.255.255.0
							Ĭ	IPv4 Gateway:	169.254.10.1
							- 1	IPv6 Address:	:
							- 1	IPv6 Gateway:	:
							- 1	IPv6 Prefix Length:	0
							- 1	HTTP Port	80
							- 1	Device Serial No.:	0E-31DF2820150815CCW
							- 1	Enable DHCP	4
							•	•••••	Save
							- 1	Reset Password	
							- 1	New Password:	
								Confirm Password: Import Key:	
								Mode:	Import File 🗸
								Key:	un Import
							- 1	Export Key	import
							- 1		Export
							-		

- [1] On the WBOX Device Search Tool, click the camera that you would like to modify the IP address.
- [2] On the right pane, input an IP address which is on the same range as the NVR's POE IP address.
- [3] Follow the Subnet Mask and Default Gateway on the NVR's POE setting.
- [4] Input the camera's password and hit Save.



4. Once the camera's IP address and the NVR's POE IP address are on the same range, the NVR will

automatically detect the camera. However, the status will be OFFLINE

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• OSD CH3 + • Privacy Zone +	
Privacy Zone	
Click To Add Delete	
Online Device 🗭 Refresh	
IP Device Typ. Protocol Firmware Version	

5. Click the screen below.

Device Name	Camera02
IP Address	169.254.10.198
Protocol	
Port	80
Username	admin
Password	****

- 6. Input the password of the camera in the **Password** field and hit **OK**.
- 7. Once the camera is successfully added to the NVR, you will see an considering the camera's channel number.

C	hannel	IP	Device T.	Protocol	Firmware Version	Ope	rate
	CH1	169.254.10.197:30.	IPC	Private	v3.5.0812.1004.157.2.3.	2	啣
•	CH2	169.254.10.198:80	IPC	Onvif	V 5.3.0 build 170214	2	傡
	СНЗ				राजन	+	
	CH4		112123			+	

Technical Support Hotline: **1-833-574-9124 (Option 1)** • Email Address: <u>tech@wboxsupport.com</u> Website: **www.wboxtech.com**





The cameras are connected to a POE Switch or Router

Procedures:

1. Make sure that the camera and the laptop are connected to the same network. See sample image below.



2. Check the IP address of the NVR. Go to Setting > Network > Network > IP on the NVR's monitor.

🛪 Setting	Channel	Record	Alarm	Network	System	×
Network	P	Port	POE			
⊳ DDNS		DHCP				
⊳ E–mail		IP Address		192.168.2	54.102	
⊳ UPnP		Subnet Mask		255.255.2	255.0	
⊳ P2P		Gateway		192.168.2	54.254	
⊳ IP Filter		Obtain DNS Au	tomatically	$\overline{\bullet}$		
		DNS1		8.8.8.8		
		DNS2		8.8.4.4		
						Apply



3. Change the IP address of the camera using the WBOX Device Tool on your PC. You can download the tool here: <u>http://bit.ly/2l1xRga</u>.

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ſ	Ф т	otal number of onl	ine devices: 1			Save a	s Excel 🛛 🖗 F	Refresh	Modify Network Para	meters
L	ю 1	Device Type	IPv4 Address	Security	Port	Software Version	IPv4 Gateway	у нтт2	IP Address:	192.168.254.30
l	001	0E-40BF40WDR	169.254.10.36	Active	8000	V5.4.1build 170227	192.168.254	.254 80	Port:	8000
Ľ								3	Subnet Mask:	255.255.255.0
L								Ĭ	IPv4 Gateway:	192.168.254.254
L									IPv6 Address:	:
L									IPv6 Gateway:	:
L									IPv6 Prefix Length:	0
L									HTTP Port	80
L									Device Serial No.:)170622BBWR780437719
L									Enable DHCP	4
L								Þ	•••••	Save
L									Reset Password	
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										Import
									Export Key	
								_	-	е стран
	•							•	Gene	rate QR Code

- [1] On the WBOX Device Search Tool, click the camera that you would like to modify the IP address.
- [2] On the right pane, input an IP address which is on the same range as the NVR's IP address and the router's default gateway.
- [3] Follow the Subnet Mask and Default Gateway on the NVR's and the router's network setting.
- [4] Input the camera's password and hit Save.
- 4. On the NVR's monitor go to **Setting > Channel > Camera**. Click **Refresh**. The camera which is on the same network as the NVR and the computer will show up under **Online Device**.

🗙 Setting	Channel	Record	Alarm	Networ	rk Si	ystem		×
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⊳ Image		 СН1 16 СН2 16 	9.254.10.197:30. 69.254.10.198:80	IPC IPC	Private Onvif	v3.5.0812.1004.157.2.3. V5.3.0 build 170214	11	00 00
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	Use	rname	admin	Passwor	d *****	· · · · ·	Add	

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- 5. To add the camera, follow the steps below:
 - [1] Tick the checkbox beside the camera's IP address.
 - [2] Input the camera's password in the Password field.
 - [3] Click Add.

X Setting	Channel	Record	d Alarm	Networ	rk Si	ystem		
Camera	Cam	era						
> Encode	a	Channel	IP	Device T.	Protocol	Firmware Version	Оре	rate
⊳ Image		• CH1 • CH2	169.254.10.197:30. 169.254.10.198:80	IPC IPC	Private Onvif	v3.5.0812.1004.157.2.3. V5.3.0 build 170214	4	
⊳ OSD		СНЗ СН4					+++	
Privacy Zone								
					Clid	k To Add	Delete	
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						2		

6. Once the camera is successfully added to the NVR, you will see an sicon beside the camera's channel number.

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-	On	lannei	P	Device I.	Protocol	Firmware version	Ope	rate
	•	CH1	169.254.10.197:30.	IPC	Privato	v3.5.0812.1004.157.2.3.	1	⑪
	•	CH2	169.254.10.198:80	IPC	Onvif	V5.3.0 build 170214	1	⑪
	•	снз	192.168.254.30:80	IPC	Onvif	V5.4.1 build 170227	1	歃
		CH4					+	



Additional Information: For OLD WBOX and HIKVISION IP Cameras

There is feature on the camera that will protect itself from wrong password attempts. If a wrong password was used to add the camera to the NVR for several times, the camera will not be added and will be locked for any other login attempt. To resolve this, follow the steps below:

- 1. Log in to the camera's web UI.
- 2. Go to Configuration > System > Security > Security Service.
- 3. Uncheck Enable Illegal Login Lock option.
- 4. Hit Save.



For Hikvision cameras with firmware version V5.5.0, the ONVIF protocol is disabled.

You need to log in to the camera's web UI to manually enable the ONVIF protocol and create an ONVIF account. Please see this link for the instructions. <u>https://www.hikvision.com/ueditor/net/upload/2017-11-13/c81ae947-b819-4859-b298-fb1ce1f463ac.pdf</u>.