

Manually adding VS Cameras to the VIM NVR

www.visualint.net Visualint 12355 US Highway 301 North, Parrish, Florida 34219 Tel: 941-225-4925 Email: sales@visualint.net Manually adding VS Cameras to the VIM NVR

In this example we will be adding the VS-505 Camera to the VIM NVR. This procedure will be similar for other IP cameras which are not ONVIF compliant ...



This procedure is assuming that the cameras will be connected to the existing IP network, not the onboard POE switch on the VIM NVR. This is the recommended method. This procedure is also assuming that you have already placed the NVR on a known IP address on the network. If this is not the case, connect the NVR to the network and set its IP address first.

We will be using a technician's Windows computer to find the camera on the network then assign it the proper static IP address. Then we will add the camera from a known IP address using RTSP stream from the NVR.

This camera is non POE so the first thing we will need to do is connect to an external power supply. In this case we need a 12V power adapter....

Next plug in the ethernet cable connecting the camera to the network. (not the built in POE switch)



The camera ships with a static IP address. To find what address the camera has been given we will need the correct IP finder tool. Log into your portal at http://help.visualint.net and navigate to the Software and Downloads section.

In this case we have a VS series camera so we choose IP finder for VS cameras. The VS 500 series have their own search tool. So we select the VS_500_searchtool.exe

Drivers (5)	IP Scanning Tools (4)
Crestron drivers	IP finder for Wi cameras
Control 4 drivers	IP finder for VS cameras
Savant drivers	IP finder for VIM cameras and nvr
Ban G drivers	IP finder for VI Tag camera
SCII event drivers (Elan G and ELK)	
Firmware (3)	Software for Windows (3)
Firmware for VI cameras	Visualint Line
Firmware for VS (LookingIn) cameras	10 Visualint Pro
Firmware for VIM series	Visualint Viewer

IPWzard_2.0	
	IPWizard_2.0

Once downloaded, run the executable file to start the installation....



Upgrade Setup User Information Enter your user information and click Next to continue.	×
Name:	
Visualint	
Company:	
< <u>B</u> ack <u>N</u> ext >	<u>C</u> ancel

Click next at the user information screen...

ng Upgrade Setup	×
Installation Folder	
Where would you like Upgrade to be installed?	
The software will be installed in the folder listed below. To select a different loc new path, or click Change to browse for an existing folder.	ation, either type in a
Install Upgrade to:	
C:\Program Files (x86)\Upgrade	C <u>h</u> ange
Space required: 1.64 MB	
Space available on selected drive: 904.51 GB	
< <u>B</u> ack <u>N</u> ext >	<u>C</u> ancel

Accept the default install location and click next...

🌄 Upgrade Setup	×
Shortcut Folder Where would you like the shortcuts to be installed?	
The shortcut icons will be created in the folder indicated below. If you don't want to u folder, you can either type a new name, or select an existing folder from the list.	ise the default
Shortcut Folder:	
Upgrade	~
 Install shortcuts for current user only Make shortcuts available to all users 	
< Back Next >	<u>C</u> ancel

At the "Ready to Install" prompt click next...

At the "Ready to Install" prompt click next
🌄 Upgrade Setup 🛛 🗙
Ready to Install You are now ready to install Upgrade
The installer now has enough information to install Upgrade on your computer.
The following settings will be used:
Install folder: C:\Program Files (x86)\Upgrade
Shortcut folder: Upgrade
Please click Next to proceed with the installation.
< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

and click next once more...

🌄 Upgrade Setup		\times
	Installation Successful The Upgrade installation is complete. Thank you for choosing Upgrade! Please click Finish to exit this installer.	
	< <u>B</u> ack <u>Finish</u> Cancel	

and the tool is successfully installed.



You will now have a shortcut on your desktop that looks like this..

Run the application by double clicking the shortcut and you will see this window...

👦 Upgrade Tool			×
NO. IP Address Port Destribe	Mac Addre	IP Address	
		Subnet Mask	
		Gateway	· · ·
			SameToPc
		HTTP Port	
		TCP Port	
		Mac Address	
<	>		Modify
IP Search Add Device WebBrowse		adminPsw	Advance
FileName:		Browse	Upgrade

At this point you will need to be on the same network that the camera is plugged into. We recommend that you be plugged into the same switch but if you are on wireless be certain that the wireless and the wired are the same network.

Click the IP Search button and wait a moment for results to display...

NO.	IP Address	Port	Destribe	IP Address	192 . 168	3 . 2 . 233
	192.168.2.203	34567			<u> </u>	
2	192.168.2.124	34567		Subnet Mask	255 . 255	5.255.0
3	192.168.1.12	34567			100 100	2 2 1
□4	192.168.2.232	34567		Gateway	192 . 168	5. Z. I
5	192.168.2.233	34567			San	meToPc
				HTTP Port	80	
				TCP Port	34567	
				Mac Address		
			•			Modify
IP Se	earch Add Device WebBrow	se	,	adminPsw		Advance
FileNa	me:			Browse	Upgrade	

The camera we want to set up is on 192.168.2.233. If you need to confirm which camera you are configuring, click the web browse button and view the camera and install any required addins. Internet Explorer is recommended for this.

	Lleor M		min			
	-				-	
	Passv	vord	_	_	_	

The default username is admin and password is blank...

Bit Rate Type	8
Connect all video(Main Stream)	
Auto Prompt	
OK	

click Ok to connect using the Main stream and you can confirm you are on the correct camera.



Once you know you are modifying the correct camera, we need to configure a static IP address on the same network as our NVR. We will be using 192.168.2.253 for this camera.



In the camera webpage click the DeviceCFG button...

click the Advanced icon on the bottom row (fourth from the left)



then click the Account icon...



Add or modify the user account you want to connect to using the RTSP stream. To connect to the stream later in this guide we will need an account with a username and password. In this example we will set the admin account's password to "admin". Once the change is saved successfully navigate back to the DeviceConfig menu....

Click the cog wheel icon at the bottom of the screen...



then select network icon...

Device config	_	_	8
Setting -> Syste	m -> Network		1
Net Card	Wire Netcard 💌	DHCP Enable	
IP Address	192 . 168 . 2	. 253	
Subnet Mask	255 . 255 . 255	. O	
Gateway	192 . 168 . 2	. 1	
Use DNS server ad	dress below		
Primary DNS	192 . 168 . 2 . 1		
Secondary DNS	0.0.0.0		
Media Port	34567 HTTP Port	80	
Device Info	00:12:12:8f:02:8	а	
📕 High Speed Do	wnload		
Transfer Policy	Quality Preferred	-	
	Refresh OK	Cancel	

Set your IP address here and make sure the "DHCP Enable" checkbox is clear then click OK...

You will get this prompt letting you know that the IP address has changed and that the device is now accessible from the new IP address...



Confirm that the camera is at the new IP address by logging into it at the new address...

Next log into the NVR...

The default username is admin and password is admin...

Right-click on the desktop and go to the Main Menu...





Select the channel that you want to add the camera toby adding a check to the appropriate checkbox then click the blue pen icon on the same line to edit connection settings.

IP Addres	s Edit	Added		Device Type		Protocol	
	Search	Add	Man	ual Add	Advanced	Display	IPC
Iddad Davic	0¢						
dded Devic	es Connect Status	Edit	Delete	Enable	Property	Protocol	Type
dded Devic Channel	Connect Status	Edit	Delete	Enable	Property 192.168.3.10 : 01	Protocol Private	Type IPC
dded Devic Channel 02 03	Connect Status	Edit	Delete	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01	Protocol Private Private	Type IPC IPC
dded Devic Channel 02 03 04	Connect Status	Edit	Delete X X X	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01 0.0.0.0 : 01	Protocol Private Private Private	Type IPC IPC IPC
dded Devic Channel 02 03 04 05	Connect Status	Edit	Delete X X X	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01 0.0.0.0 : 01 0.0.0.0 : 01	Protocol Private Private Private Private	Type IPC IPC IPC IPC IPC
dded Devic Channel 02 03 04 05 06	Connect Status	Edit	Delete X X X X X	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01	Protocol Private Private Private Private Private	Type IPC IPC IPC IPC IPC IPC
dded Devic Channel 02 03 04 05 06 07	Connect Status	Edit	Delete X X X X X X X	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01	Protocol Private Private Private Private Private Private	Type IPC IPC IPC IPC IPC IPC IPC
Channel 02 03 04 05 06 07 08	Connect Status	Edit	Delete X X X X X X X X	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01	Protocol Private Private Private Private Private Private Private	Type IPC IPC IPC IPC IPC IPC IPC
Odded Devic Channel 02 03 04 05 06 07 08	es Connect Status	Edit	Delete X X X X X X X X Dis	Enable	Property 192.168.3.10 : 01 192.168.3.12 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0.0 : 01 0.0.0 : 08 Edit Type	Protocol Private Private Private Private Private Private Private	Type IPC IPC IPC IPC IPC IPC IPC IPC

Set the Device Type to RTSP and the URL Address to the correct path which in this case is:

rtsp://admin:admin@192.168.2.253/user=admin&password=admin&channel=1&stream=0

Substitute the admin / admin username and password for the actual username and password you set on the camera earlier and the IP address as the IP address you set on the camera

hannel				Channel ^
nel No.	Channel 8	State	Enable	
Method	Manual Add	Device Type	RTSP >	
nect mode	TCP >	URL Address	dmin&channel=1&stream=0 rtsp://admin:admin@192.169. admin&channel=1&stream=0	2.253/user=admin&passwor
vice Channel	08	User	admin	IPC >
ream	Mainstream >	Password	*****	Fype ^
ecryption				PC PC
Smart Adding		Target Channel	01 > - 08 >	PC PC
IP address as	cending		Batch Adding	PC
Channel num			Confirm Cancel	Back
Bandwidth Rema	ain Calante		Plug-and-play	Disable >

If everything is entered correctly click confirm and the camera will show that it is connected in the Added Devices window and will now be visible in the NVR....



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