



VIPER: How to Add Samsung/Hanwha Cameras

VISTA
KNOWLEDGE
BASE

The following Procedure explains how to add a Samsung/Hanwha IP camera to a VIPER NVR

The below screenshots were done via the NVRs web interface but

is very similar on the unit itself.

Note

A separate PC running Hanwha Wisenet software {Discovery Application} & POE switch will be needed to do the initial set up of the camera.

In this procedure the Camera is set to out of Box Defaults. Default password on Viper [admin/admin]

- Open web page of Camera.
As default Samsung/Hanwha camera do not have a password set. Must set a secure password.

Administrator password change

New password

Confirm new password

- If the password is 8 to 9 characters long, it must include at least 3 of the following character types: English uppercase letters, English lowercase letters, numbers, and special characters.
- If the password is 10 characters or longer, it must include at least 2 of the following character types: English uppercase letters, English lowercase letters, numbers, and special characters.
- ID may not be used as password. The password and ID cannot be identical.
- The following special characters can be used: ~!@#\$%^&*()_+=[]{}|;:'"~<>.,?/
- You may not use more than 4 consecutive characters. (example: 1234, abcd, etc.)
- You may not use the same character 4 or more times consecutively. (example: !!!!!, 1111, aaaa, etc.)

Apply

- Make sure Time & Date are correct if not set correctly

Current system time

Date & Time 2018-05-10 12:03:32

Timezone

Timezone (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London ▼

- Once set up set NTP Address to the Viper Network Address

System time setup

☒ **Manual**

Date & Time 2018 ▼ 05 ▼ 10 ▼ 12 ▼ 01 ▼ 36 ▼

☐ **Synchronize with NTP server**

Address1 Viper IP Address x

Address2 asia.pool.ntp.org

Address3 europe.pool.ntp.org

Address4 north-america.pool.ntp.org

Address5 time.nist.gov

☐ **Synchronize with PC viewer**

Date & Time 2018-05-10 13:02:01

Apply

- Once set up Check Video Profiles, Mobile is set to MJPEG by default. Need to set to H.264 as below.

Add Delete

	Name	Codec	Type
<input type="radio"/>	MJPEG	MJPEG	Record / Event
<input checked="" type="radio"/>	H.264	H.264	Default
<input type="radio"/>	H.265	H.265	
<input type="radio"/>	MOBILE	H.264	

- Next change GOV to Max 20 on each both the H.264 and Mobile streams then save and exit camera web interface.

Advanced

Bitrate control: VBR

Encoding priority: Frame rate

GOV length: 20


Profile: High


Entropy coding: CABAC


Smart codec: Disable


Set GOV length to 20
VIPER Supports Max of 20


- Go to Camera Registration menu.


System

Camera

Device

Record

Event

Network

Basic

Advanced

IP Camera Registration

Logout

IP Camera Registration

CH	Model	IP	Status	Registration	Auto	Connection
1	---	---	---	Add	OFF	▼
2	---	---	---	Add	OFF	▼
3	---	---	---	Add	OFF	▼
4	---	---	---	Add	OFF	▼
5	---	---	---	Add	OFF	▼
6	---	---	---	Add	OFF	▼
7	---	---	---	Auto	ON	▼
8	---	---	---	Auto	ON	▼
9	---	---	---	Auto	ON	▼
10	---	---	---	Auto	ON	▼
11	---	---	---	Auto	ON	▼
12	---	---	---	Auto	ON	▼
13	---	---	---	Auto	ON	▼
14	---	---	---	Auto	ON	▼

- Click "Auto Connection" set to off for the Input required

IP Camera Registration						
CH	Model	IP	Status	Registration	Auto	POE
1	---	---	---	Auto	OFF	Reset
2	---	---	---	Add	OFF	Reset

- Select Add then Search then detected camera list will be appeared.

IP Camera Registration (CH 01)

Manual Add

Search

Model	IP	MAC	Status
<div>Previous</div>			

- Then click Registration field of required camera.

IP Camera Registration (CH 01)

Manual Add

Search

Model	IP	MAC	Status
NVX-2253	172.16.3.123	00:07:D8:18:1A:7F	Registration
VK2-HD30LRIR-PM	172.16.1.59	00:07:D8:18:E9:9E	Registration
VK2-3MPEFEDre	172.16.1.90	00:07:D8:19:A9:C6	Registration
spartan-6	172.16.4.12	00:1A:07:0D:07:D9	Registration
spartan-6	172.16.4.15	00:1A:07:11:F5:32	Registration
Q1910	172.16.0.173	00:40:8C:AC:49:4D	Registration
P3301	172.16.1.77	00:40:8C:B5:57:AB	Registration
WV-SP302	172.16.1.18	08:00:23:94:3E:E1	Registration
2	172.16.1.99	10:FC:54:A0:0C:66	Registration
M7016	172.16.3.217	27:B6:11:63:C2:61	Registration
SNP-5430	172.16.1.29	30:30:30:53:4D:00	Registration
QND-7020R	172.16.1.45	30:30:31:30:5A:00	Registration
SNB-8000	172.16.0.236	30:30:31:31:5A:00	Registration
QNV-6070R	172.16.0.171	30:30:32:35:46:00	Registration
SNF-8010	172.16.0.170	30:30:35:51:45:00	Registration
SND-6084R	172.16.1.34	30:30:38:58:58:00	Registration

- Enter the ID/PW of the IP camera.

IP Camera Registration

Protocol	ONVIF ▼
ONVIF URL	http://172.16.1.34/onvif/device
ONVIF Port	80
RTSP URL (Primary)	
RTSP URL (Secondary)	
HTTP Port	
ID	admin
Password	••••••••
RTSP	RTSP ▼

OK Cancel

- Selecting "OK" will return to IP Camera Registration page.. Status says "IPCam Network Error" press save.
- Then go out of the page and back in again status should say "Connected" if not check user credentials.

IP Camera Registration					
CH	Model	IP	Status	Registration	Auto Connection
1	SND-6084R	172.16.1.34	Connected	Delete	OFF ▼
2	---	---	---	Add	OFF ▼

- Then click "save".
- Exit Menus/Logout if using web browser [as per this procedure] check Camera is displayed.

This Completes the Procedure.