



VIPER: How to Add Samsung/Hanwha Cameras

The following Procedure explains how to add a Samsung/Hanwha IP camera to a VIPER NVR
The below screenshots were done via the NVR's web interface, But is very similar on the unit itself.

Note

Camera is set to Default out of Box. Default password on Viper [admin/admin]

- Open web page of Camera.

As default Samsung/Hanwha camera do not have a password set.. Have to set a safe password

This screenshot shows a web interface for setting a new password. It has two input fields: 'New password' and 'Confirm password'. Below these fields is a box containing password requirements and a list of allowed special characters. The requirements are: 8-9 letters (3 types of case, numbers, special characters) or 10-15 letters (2 types of case, numbers, special characters). The username must be different from the password. Allowed special characters include ~ ` ! @ # \$ % ^ * () _ - + = { } [] . ? / . Examples of disallowed passwords are consecutive or repeated strings like 'abcde123456' or 'aaaaa11111'.

New password

Confirm password

. If the password is 8 to 9 letters long, then it should be a combination of at least three types upper/lower case alphabets, numbers and special characters.
. If the password is 10 to 15 letters long, then it should be a combination of at least two types upper/lower case alphabets, numbers and special characters.
. User name should be different from password.
. The following special characters are available for use. ~ ` ! @ # \$ % ^ * () _ - + = { } [] . ? /
. Refrain from using the password which uses consecutive or repeated text string since it has vulnerable security.
(Ex:abcde123456, aaaaa11111, qwerty!@#\$)

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

This screenshot shows the 'Current system time' settings. It includes a 'Date & Time' field showing '2018-05-10 12:03:32' and a 'Timezone' dropdown menu currently set to '(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London'.

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.

Video profile

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

- 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 Connection	POE
1	---	---	---	Auto	<div> OFF ON </div>	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
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Previous

- 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 Menu/Logout if using web browser [as per this procedure] check Camera is displayed.