



How to use NVR Cloud Storage function

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How to use NVR Cloud Storage function

Note:

1) There are two different ways to use NVR cloud storage function:

NVR as Storage Server: It can be added to other HCP or NVRs.

NVR as Client End: You can add Cloud Storage Server to the client NVR, such as Hikvision cloud 2.0 or another NVR (which is set as storage server).

2) For NVR Cloud Storage Function, the protocol we use is Hikvision Cloud 2.0, and it only support Hikvision Cloud 2.0.

The 3rd party cloud storage services such as Google Cloud, Baidu Cloud and Ali Cloud are not supported.

3) It only supports the storage of alarm pictures and does not support any video or data.

1. NVR As Storage Server

1) Support model

Super I NVR (V4.40.500 and later versions)

I series NVR(V4.22.005 and later versions)

2) Log in NVR web page, turn to Configuration - Storage - External Storage Management, click Enable, then set the Password and Encryption Password.

Note: These two passwords should be more than 32 characters, numbers and letters are supported, they can be set as the same.

The screenshot shows the Hikvision NVR web interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', 'Application', and 'Configuration'. The left sidebar lists various settings categories: Local, System, Network, Video/Audio, Image, Event, Storage, Schedule Settings, and Storage Management. The 'Storage' category is selected, and the 'Basic Settings' tab is active. The 'Basic Settings' section includes a checkbox for 'Enable' (checked), a 'Protocol Version' dropdown set to 'V2.0', and two password fields: 'Password' and 'Encryption Password', both containing the same 32-character alphanumeric string and marked with green checkmarks. A red 'Save' button is located below the password fields. The 'External Storage Management' section is partially visible at the bottom, showing options like 'Advanced Settings', 'Vehicle Detection', 'VCA', 'Target Capture', and 'IoT Channel Settings'.

3) Save the configuration and reboot NVR, you will see Storage Pool Management option in

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Storage option list.

There are two Storage Pool as default, you can also add storage pools and set the name and size of the pools.

No.	Storage Pool No.	Storage Pool Name	Storage Pool Type	Overwrite Strategy	Storage Pool Peri...	Storage Pool Capac...	Storage Pool Free...
1	1	Bayonet	General Pool	Space		4470	4470
2	2	Peccancy	General Pool	Space		2235	2235

Configuration of how to add storage pool:

Add Storage Pool

Storage Pool Type: General Pool

Storage Pool Name:

Overwrite Strategy: Space

Storage Pool Capacity (GB):

OK Cancel

Now your NVR has been set as the Cloud Storage Service.

- 4) When adding NVR Cloud Storage Server, you should fill in the information.
 Here we take the configuration of adding Server NVR by HCP as an example:
 Address - It is the Server IP, here should be Server NVR'S IP address
 Picture Downloading Port - 6120 (fixed)
 Signaling Gateway Port - 6011 (fixed)
 Access Key - Password
 Secret Key - Encryption Password.

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- Encoding Device
- Access Control Device
- Video Intercom Device
- Security Control Device
- Dock Station
- Display Screen
- Recording Server**
- Streaming Server
- DeepinMind Server
- Smart Wall

Add Recording Server

☐ pStor
☐ Hybrid Storage Area Network
☒ Network Video Recorder
☐ Cloud Storage Server
☐ pStor Cluster Service

Basic Information

* Address

10.9.96.93

✓

* Control Port

8000

* Network Port

80

* Picture Downloading Port

6120

* Signaling Gateway Port

6011

* Access Key

01234567890123456789012345678901

✓

* Secret Key

01234567890123456789012345678901

✓

Enable WAN Access

☐

* Alias

test

✓

* User Name

admin

* Password

••••••••

✓

Weak

Add

Add and Continue

Cancel

- Encoding Device
- Access Control Device
- Video Intercom Device
- Security Control Device
- Dock Station
- Display Screen
- Recording Server**

+ Add

Delete

Refresh

N+1 Hot Spare

	Alias	Address	Type	Recording Stat...	Hot Spare Pro...	Network ...	Operation
<input type="checkbox"/>	test	10.9.96.93	Network Video Recorder			✓ Online	⚙

2. NVR as Client

1) Support model

All GUI 4.0 and EUI versions.

2) Turn to Configuration – Storage – Storage Management – Cloud Storage and fill the parameters to add cloud storage server

Protocol Version - support cloud 2.0 only

Server IP - the IP address of Cloud Storage Server (here we take another NVR that have

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configured to Cloud Storage Server as an example)

Server Port - 6011(fixed)

Password/Encryption Password – According to the pre-set in the Cloud Storage Server

Picture Storage Pool ID – According to the pre-set in the Cloud Storage Server

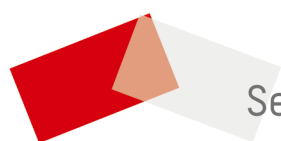
Note: You can click Test bottom to check if the connection successes.

The screenshot displays the Hikvision NVR configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various settings categories: Local, System, Network, Video/Audio, Image, Event, Storage, Schedule Settings, Storage Management, Advanced Settings, Vehicle Detection, and VCA. The main content area is titled 'Cloud Storage' and contains the following settings:

- ☒ Enable Cloud Storage
- Protocol Version: Cloud2.0
- Server IP: 10.9.96.93
- Server Port: 6011
- Password: [Masked]
- Encryption Password: [Masked]
- Picture Storage Pool ID: 3

Each input field has a green checkmark indicating it is valid. A 'Test' button is located at the bottom of the configuration section. A red 'Save' button is also present. A 'Note' dialog box at the bottom right states 'Testing succeeded'.

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