How to set up schedule backup to NAS in Linux NVR

Application Notes

Version <1.0>

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Preface

Surveon Linux NVR can backup and archive the recorded video to NAS. Local and remote backups are available to expand the video retention period. Archiving with playback function is also supported to ensure data integrity, improve operational efficiency and simplify disaster-recovery operations.

In this application guide we are going to introduce 3 steps: how to setup the NAS Folder, how to add NAS into Linux NVR, and how to schedule backup for Linux NVR.

The topics are as below:

1. Setup NAS Folder.

2. Add on NAS into Linux NVR.

3. Schedule backup for Linux NVR.

Appendix : What is schedule Task mode?

Note:

1. This procedure is only applied on Linux NVR **3.1.0.A04** or later version.

2. One Linux NVR can only link one NAS device or one iSCSI device at most.

3. **NAS storage is only for backup purpose** (Linux NVR can't record in NAS).

4. When NAS storage space is full, the oldest record will be overwritten, even the backup record to NAS storage is already set up.
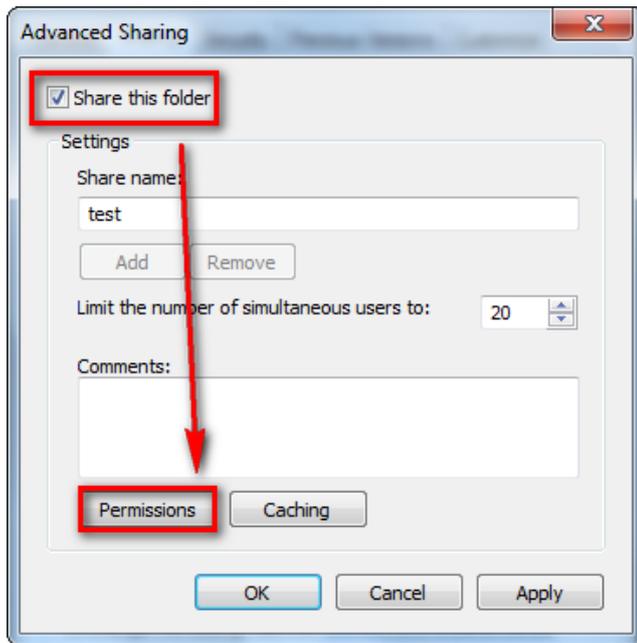
1. Setting up NAS Folder

- Create a new folder in a Windows-based PC.
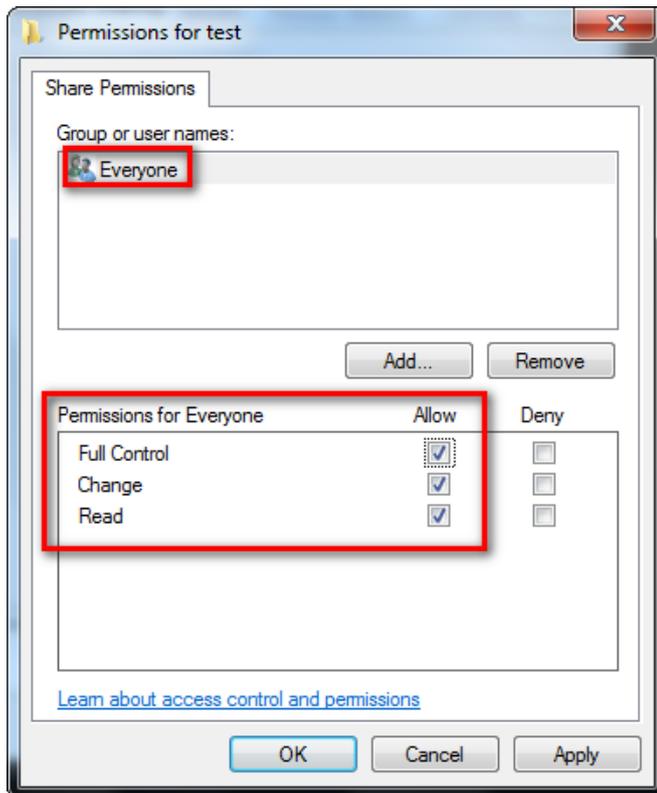
- Right click the folder and select Properties.
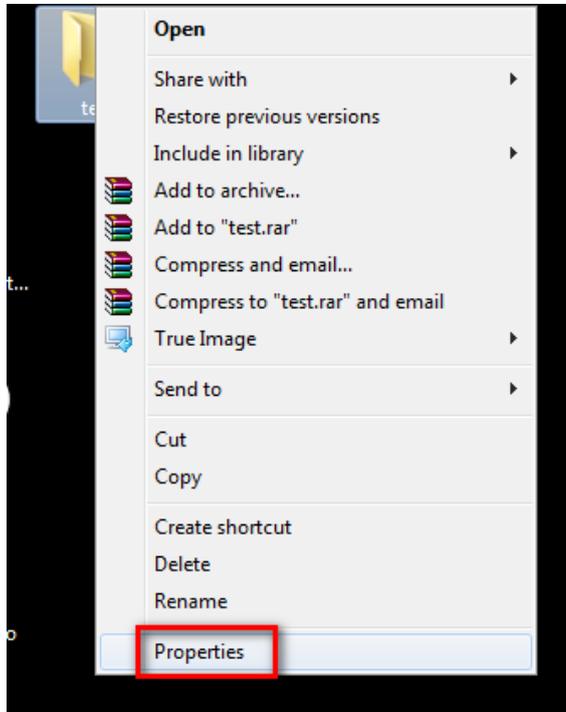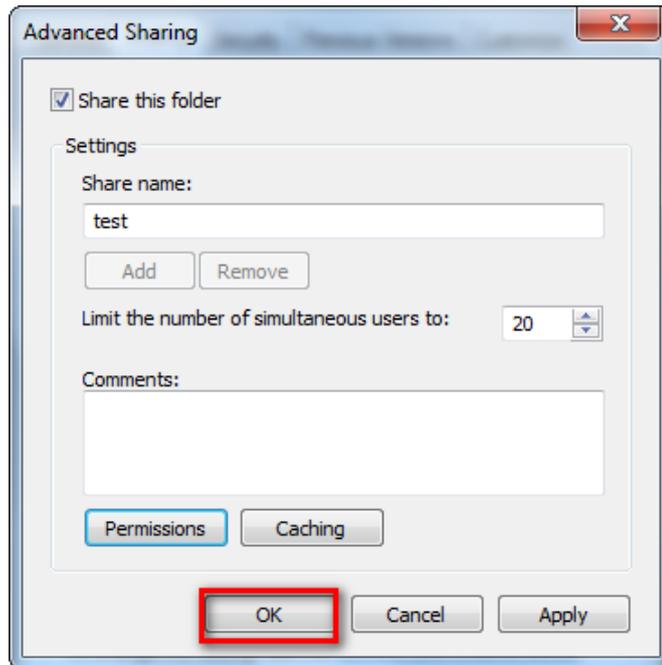

- In the Sharing label, press "Advanced Sharing…".
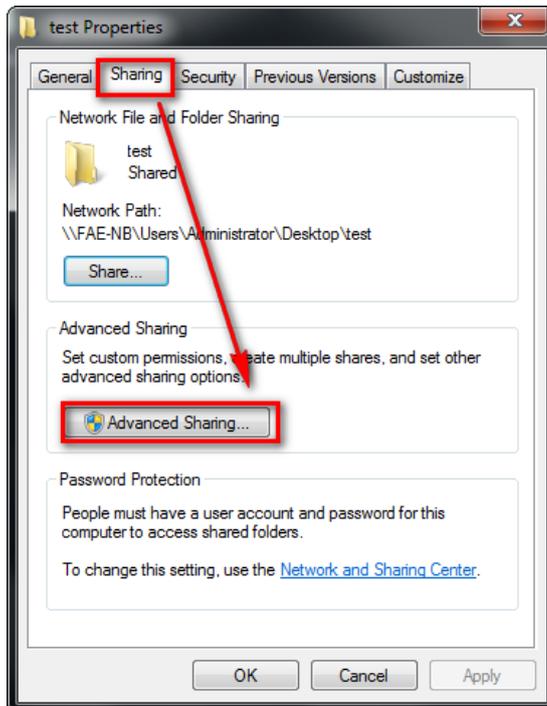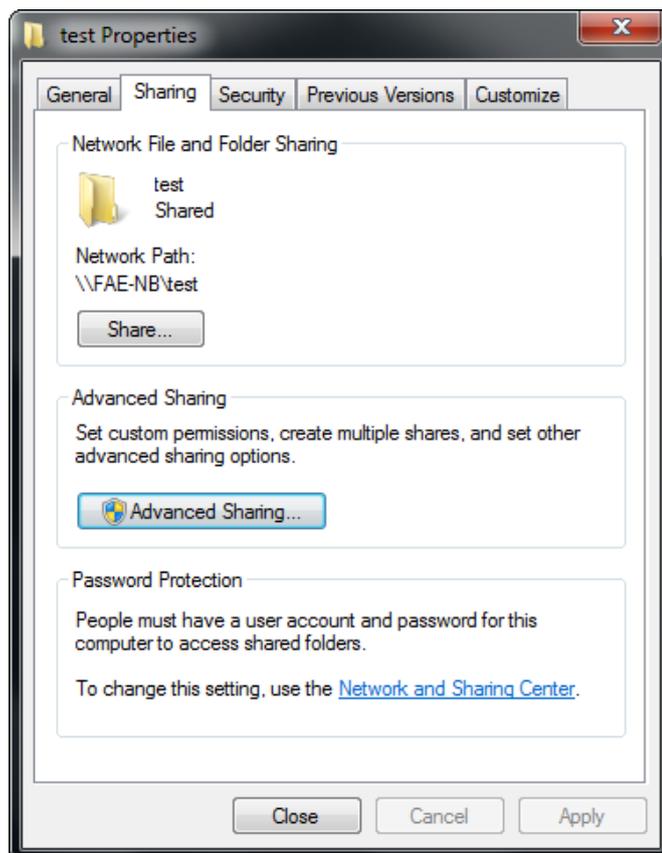
■ Enable Share this folder and press "Permissions".

■ Enable Full Control Permissions for Everyone and press "OK".
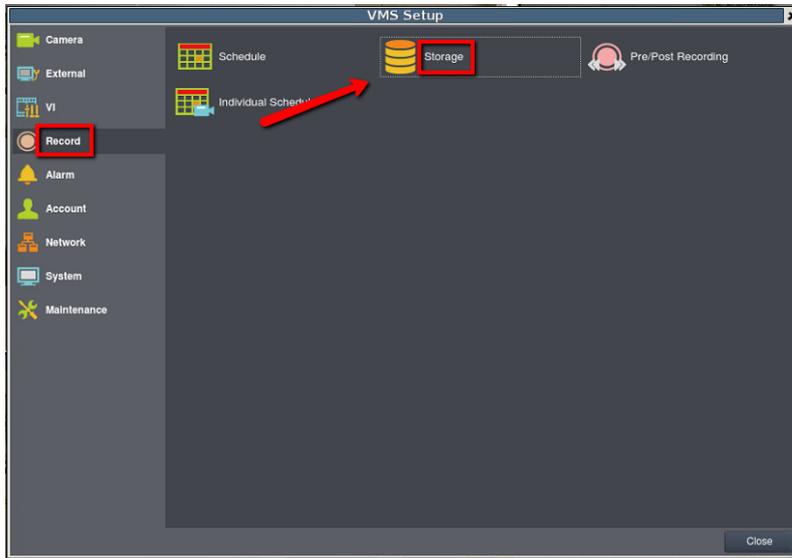
■ Press "OK" to save these settings.

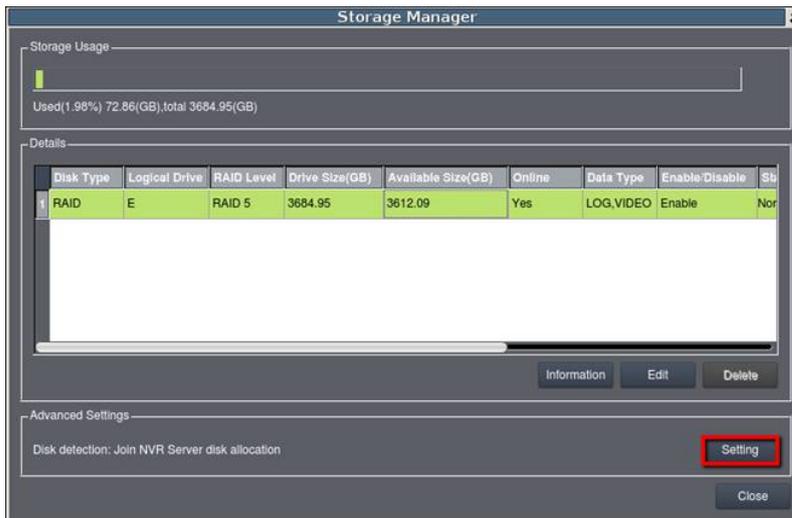■ Copy the Network Path or check the computer's IP address.
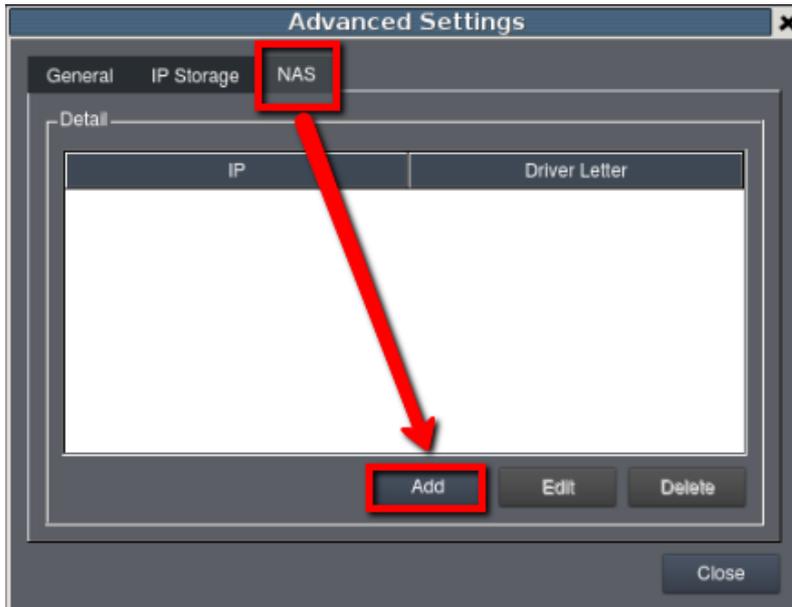
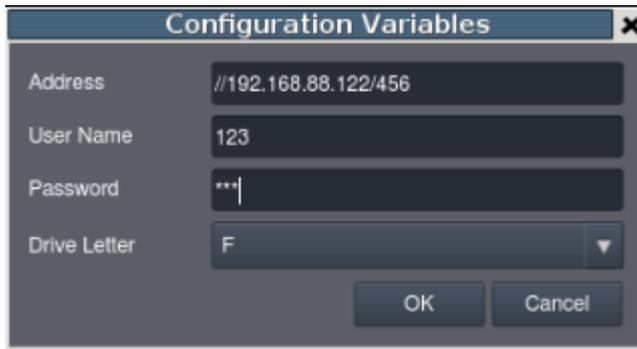## 2. Add on NAS into Linux NVR.

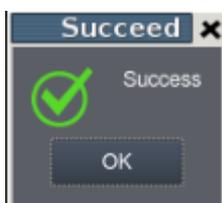■   Enter Record / Storage.

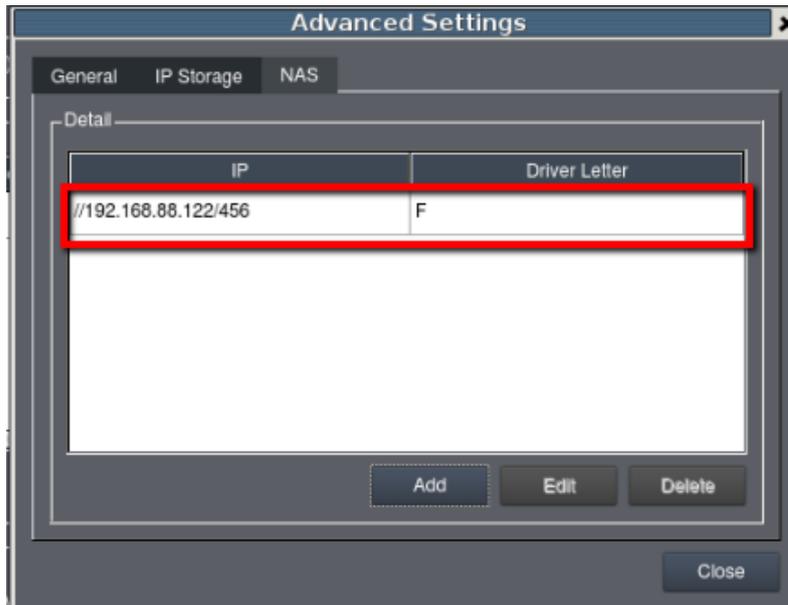
■   Press "Setting".

■ Choose NAS then click Add.

■ Enter Computer's IP, login account and password.
Address: //IP Address/Folder name.

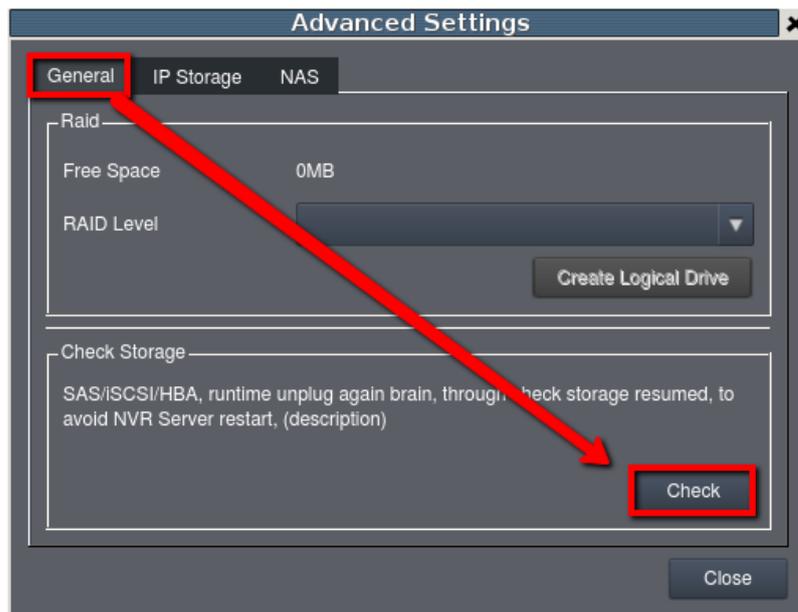■ Press "OK".

■ After seeing your NAS folder shown on this window, choose "General".

Advanced Settings

General   IP Storage   NAS

Detail

IP	Driver Letter
//192.168.88.122/456	F

Add   Edit   Delete

Close

■ Press "Check".

Advanced Settings

General   IP Storage   NAS

Raid

Free Space   0MB

RAID Level   ▼

Create Logical Drive

Check Storage

SAS/iSCSI/HBA, runtime unplug again brain, through check storage resumed, to avoid NVR Server restart, (description)

Check

Close

■ After finishing all steps, it will request to restart the NVR. Press "OK". (NVR5316 didn't need to restart)

Succeed

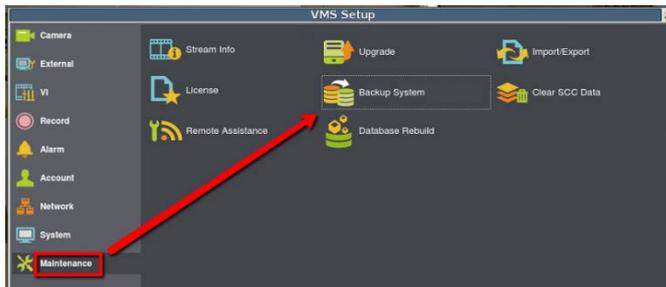✓ Create raid successfully, need to restart computer

OK
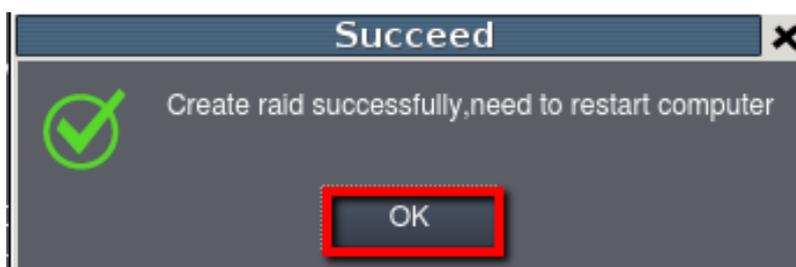
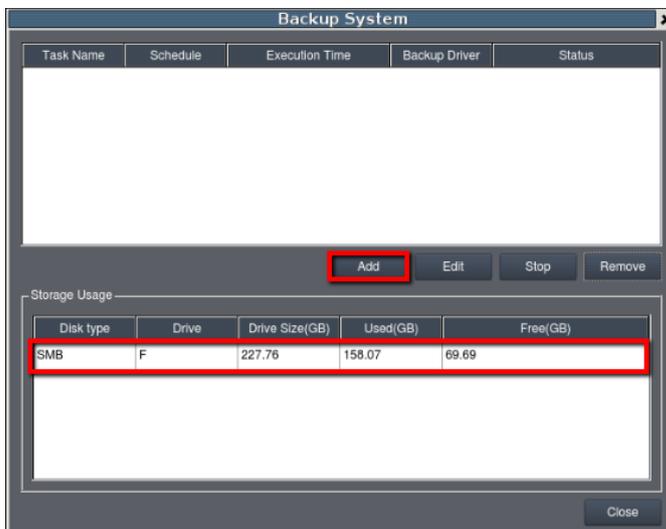■ After reboot, go to Setup / Record / Storage again; make sure the NAS has been added successfully.
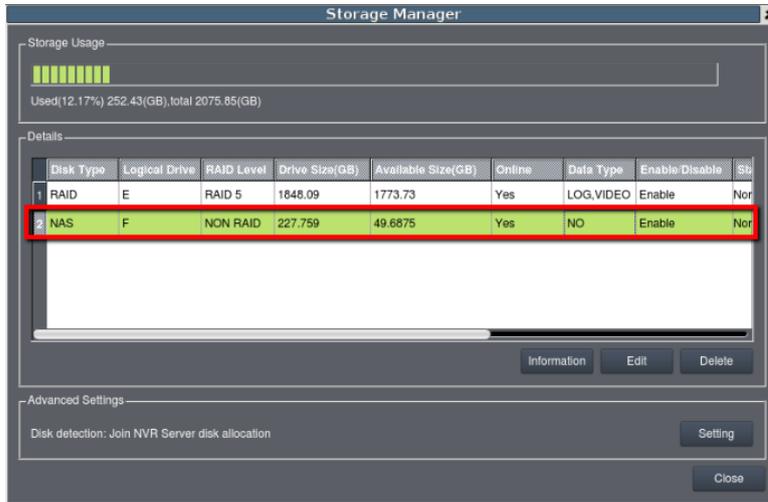
3. Set up schedule backup for Linux NVR

■ Go to Maintenance / Backup System

■ There will be a new iSCSI device on the list. Click "Add" to create a new schedule.

■ In schedule backup you can select camera and backup schedule.

■ When the system starts to backup, the Status will become "Running" and user can also see the percentage for backup.

■ When backup is finished, it will show "Complete".

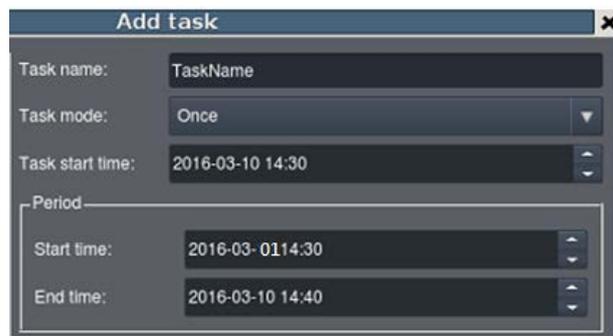■ You can go to Playback and press Backup Search and check your backup video.
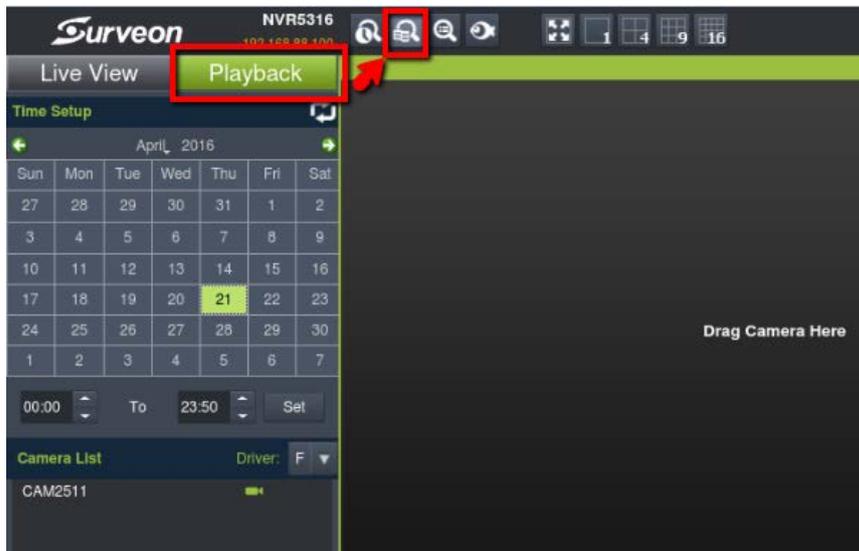
■ Select your backup date & time then watch your backup video.
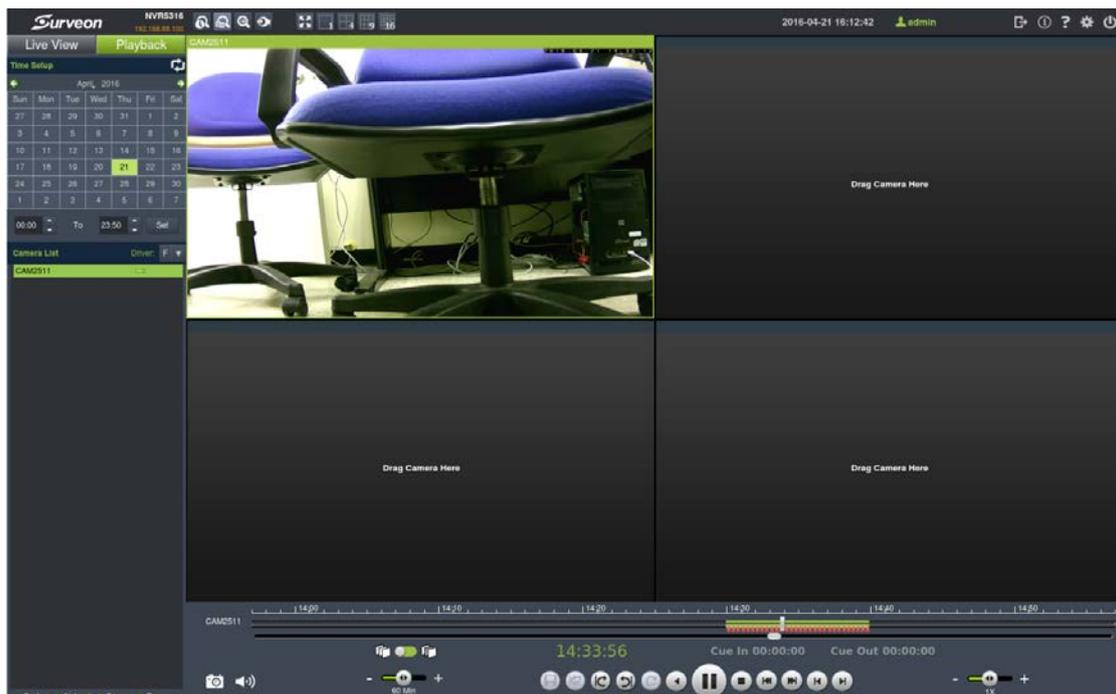
Appendix: What is schedule Task mode?

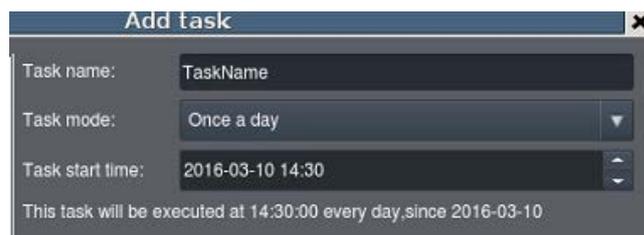**Once**: it will only backup once, but customers can backup any particular date or time by period.

Example:

- Task time is 2016-03-10 14:30, period is between 2016/3/1 14:30 – 2016/3/10 14:40. When the time comes, it will only backup record from 2016/3/1 14:30 – 2016/3/10 14:40. (Backup only once)

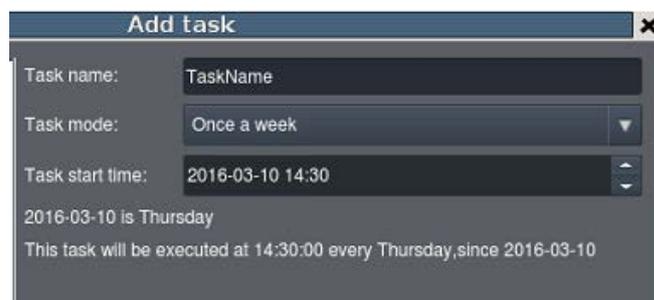**Once a day:** When task time comes, it will backup record for yesterday.

Example:

- Task time is 2016-03-10 14:30. When the time comes, it will backup record from 2016-03-09 14:30 to 2016-03-10 14:30. (Backup one day)
- Also every day at 14:30, it will backup record from one day ago.

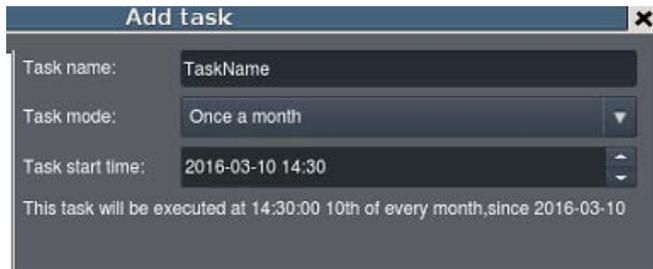**Once a week:** When the task time comes, it will start to backup record for last week.

Example:

- Task time is 2016-03-10 14:30. When the time comes, it will backup record from 2016-03-03 14:30 to 2016-03-10 14:30. (Backup one week)
- Also every Thursday at 14:30, it will start to backup record from one week ago.

Once a month: When the task time comes, it will backup record for last month.

- Task time is 2016-03-10 14:30. When the time comes, it will backup record from 2016-02-03 14:30 to 2016-03-10 14:30. (Backup one month)
- Also every 10th at 14:30, it will start to backup record from one month ago.