

How to configure NTP and DST

Purpose

Sometime the device date/time may be incorrect. In order to avoid this, HIKVISION devices use NTP (Network Time Protocol) as well as DST (Daylight Saving Time) to adjust device time.

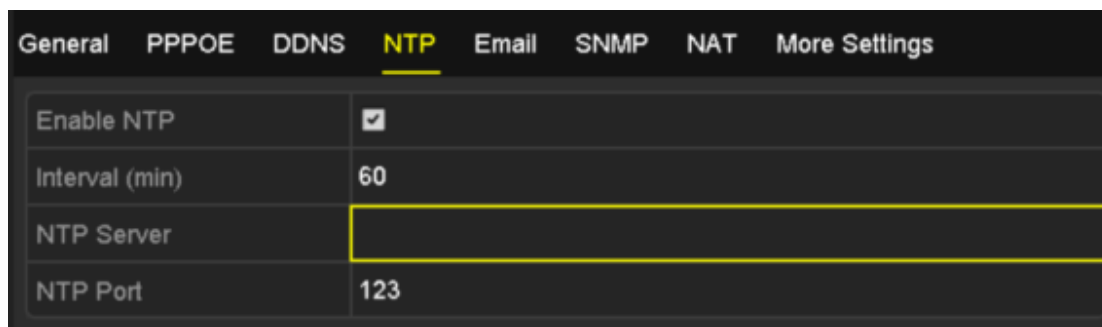
How to configure NTP:

Steps:

1. Enter the Network Settings interface.

Menu >Configuration> Network

2. Select the **NTP** tab to enter the NTP Settings interface. Check the **Enable NTP** checkbox to enable this feature.



General	PPPOE	DDNS	<u>NTP</u>	Email	SNMP	NAT	More Settings
Enable NTP			<input checked="" type="checkbox"/>				
Interval (min)			60				
NTP Server							
NTP Port			123				

4. Configure the following NTP settings:

- **Interval:** Time interval between the two synchronizing actions with NTP server. The unit is minute.
- **NTP Server:** IP address of NTP server.
- **NTP Port:** Port of NTP server. Default as 123.

5. Click the **Apply** button to save and exit the interface.

6. Or configure it via web browser in the interface below.

The screenshot shows the HIKVISION web interface for configuring time settings. The 'Configuration' menu is active, and the 'Time Settings' tab is selected. The 'Time Zone' is set to '(GMT+08:00) Beijing, Urumqi, Singapore'. The 'NTP' section is highlighted with a green box and contains the following fields: 'NTP' (selected), 'Server Address' (210.72.145.44), 'NTP Port' (123), and 'Interval' (1440 min). There is a 'Test' button below the interval field. The 'Manual Time Sync.' section is also visible, with 'Manual Time Sync.' (unselected), 'Device Time' (2016-11-09T18:43:17), and 'Set Time' (2016-11-09T18:42:04) with a 'Sync. with computer time' checkbox.

Note:

The time synchronization interval can be set from 1 to 10080min, and the default value is 60min. If the NVR is connected to a public network, you should use a NTP server that has a time synchronization function, such as the server at the **National Time Center** (IP Address: 210.72.145.44). If the NVR is setup in a more customized network, NTP software can be used to establish a NTP server used for time synchronization.

How to configure DST:

Steps:

1. Enter the General Settings interface.

Menu >Configuration>General

2. Choose **DST Settings** tab.

General	DST Settings	More Settings
<input checked="" type="checkbox"/> Auto DST Adjustment		
Enable DST	<input checked="" type="checkbox"/>	
From	Apr	1st Sun <<< 2 >>> :00
To	Oct	last Sun <<< 2 >>> :00
DST Bias	60 Minutes	

You can check the checkbox of **Auto DST Adjustment** item.

Or you can manually check the **Enable DST** checkbox, and then you choose the date/time of the DST period.

3. Or configure it via web browser in the interface below.

HIKVISION Live View Playback Picture **Configuration**

Basic Information Time Settings **DST** RS232

Enable DST

Start Time Apr First Sun 02

End Time Oct Last Sun 02

DST Bias 30min

Save

Note:

1. When it is daylight saving time, if you just enable NTP without DST enabled, your device time may not be synchronized with local DST time. The solution is to enable DST.
2. If you have an IPC added to NVR, just set NTP and DST in NVR would be OK. The device time of IPC would be synchronized by NVR.

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