7.3 Hot Spare Device Backup

Purpose:

Several devices, including NVR and HDVR, can form an N+1 hot spare system. The system consists of several working devices and a hot spare device; when the working device fails, the hot spare device switches into operation, thus increasing the reliability of the system.

NOTE

Please contact dealer for details of models which support the hot spare function.

Before you start:

At least 2 devices are online.

A bidirectional connection shown in the figure below is required to be built between the hot spare device and each working device.
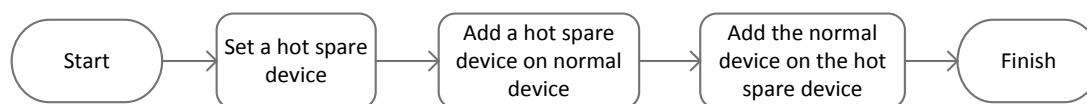
Start → Set a hot spare device → Add a hot spare device on normal device → Add the normal device on the hot spare device → Finish

Figure 7. 13 Building Hot Spare System

7.3.1 Setting Hot Spare Device

NOTE

● The camera connection will be disabled when the device works in the hot spare mode.

● It's highly recommended to restore the defaults of the device after switching the working mode of the hot spare device to normal mode to ensure the normal operation afterwards.

Steps:

1. Enter the Hot Spare settings interface.

   Menu > Configuration > Hot Spare

2. Set the Work Mode as Hot Spare Mode, click the **Apply** button to confirm the settings.

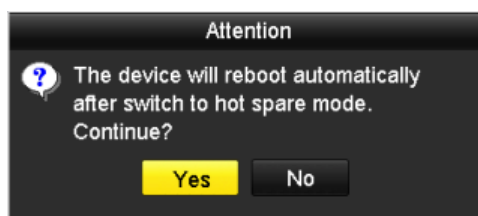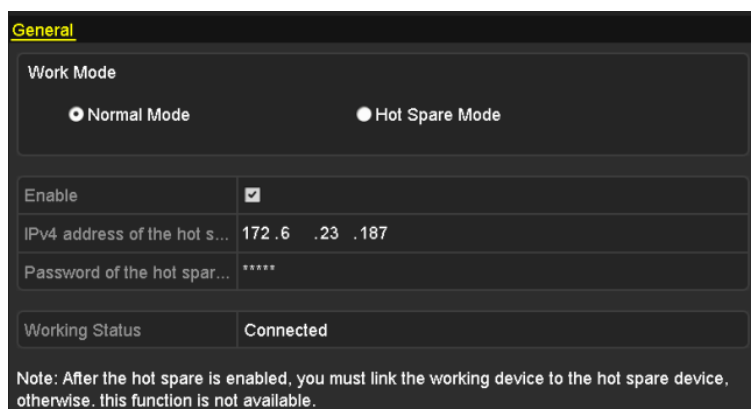3. Reboot the device to make the change take effect.

Figure 7. 14 Reboot Attention

4. Click the **Yes** button in the pop-up attention box.

7.3.2 Setting Working Device

Steps:

1. Enter the Hot Spare settings interface.

   Menu > Configuration > Hot Spare

2. Set the Work Mode as Normal Mode (default).

3. Check the checkbox of Enable to enable the hot spare function.

4. Enter the IP address and admin password of hot spare device.

Figure 7. 15 Setting Working Mode for Working device

5. Click the **Apply** button to save the settings.

7.3.3 Managing Hot Spare System

Steps:

1. Enter the Hot Spare Settings interface of the hot spare device.

   Menu > Configuration > Hot Spare

   The connected working device is displayed on the device list.

2. Check the checkbox to select the working device from the device list, and click the **Add** button to link the working device to the hot spare device.

   ![NOTE]

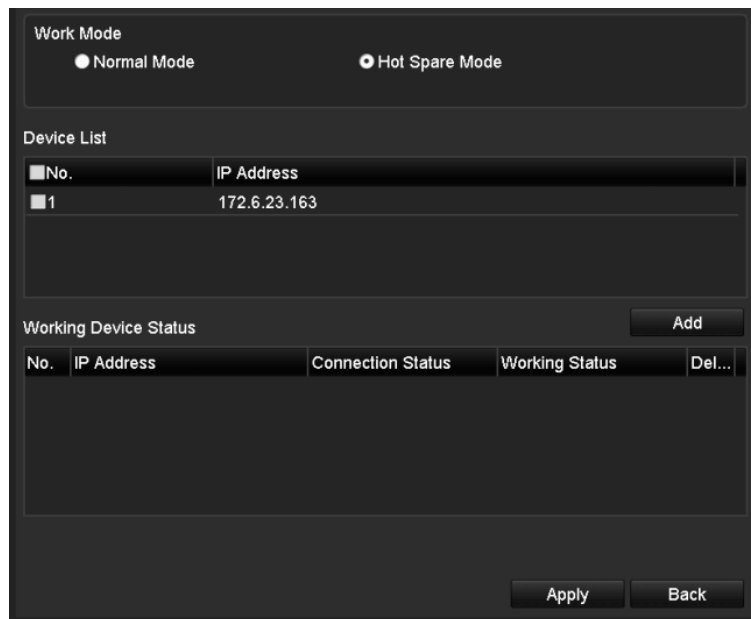   A hot spare device can connect up to 32 working devices.

Figure 7. 16 Add Working Device

3. You can view the working status of the hot spare device on the Working Status list.

When the working device works properly, the working status of the hot spare device is displayed as *No record*.
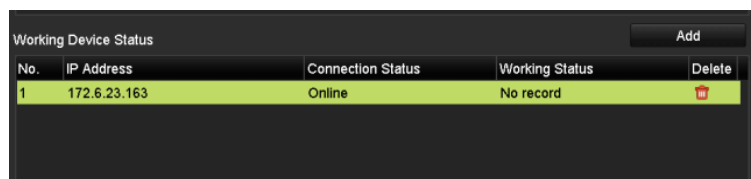

Figure 7. 17 No Recording

When the working device gets offline, the hot spare device will record the video of the IP Camera connected to the working device for backup, and the working status of the hot spare device is displayed as *Backing up*.

NOTE

The record backing up can be functioned for 1 working device at a time.
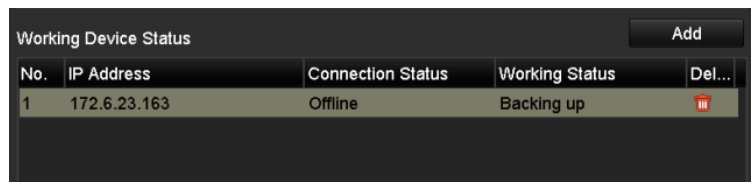

Figure 7. 18 Backing up

When the working device comes online, the lost video files will be restored by the record synchronization function, and the working status of the hot spare device is displayed as *Synchronizing*.

NOTE

The record synchronization function can be enabled for 1 working device at a time.