Merit LILIN Application Note

How to use WaterMarkChecker to check forged LILIN backup footage

Subject: How to use WaterMarkChecker to verify LILIN video backup files are not forged.

Description: LILIN NAV and NVR's now support a digital watermark feature to ensure that backup footage has not been forged or modified. A user can use the tool WaterMarkChecker.exe to verify if the backup footage has been tampered with.
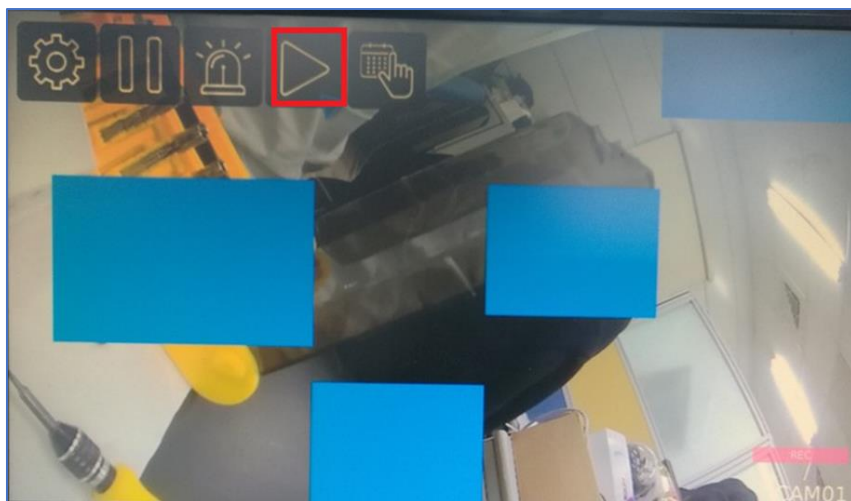
Requirement:
1. NVR5832/5416E (FW V 4.0.26.5470 or above)
2. NAV V3.0.0.76 or above
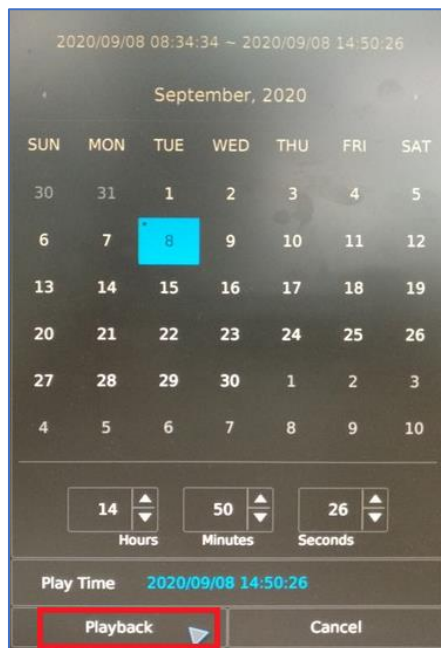3. PC (Win10)
4. WaterMarkChecker.exe (V1.0.0.1)

For NVR5382/5416E
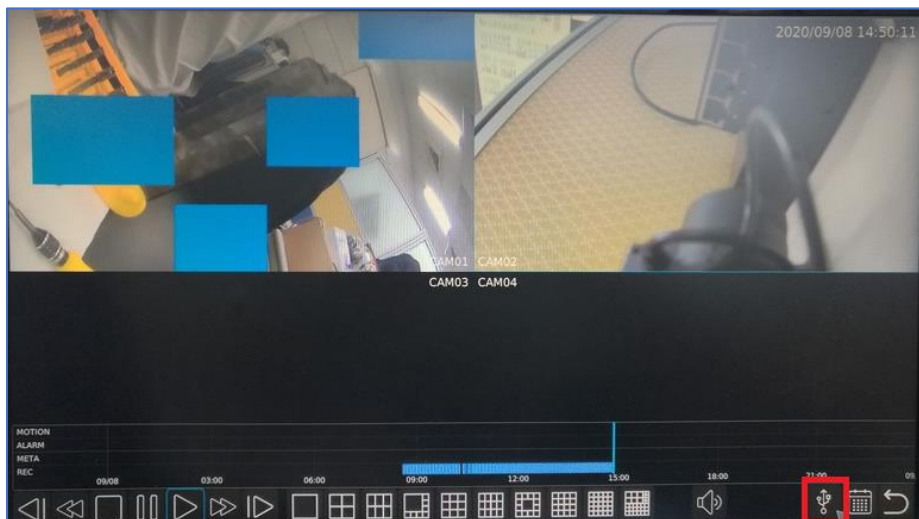**Step #1. Backup video footage to the USB flash drive.**

    a. Insert a USB flash drive into the NVR5832/5416E.
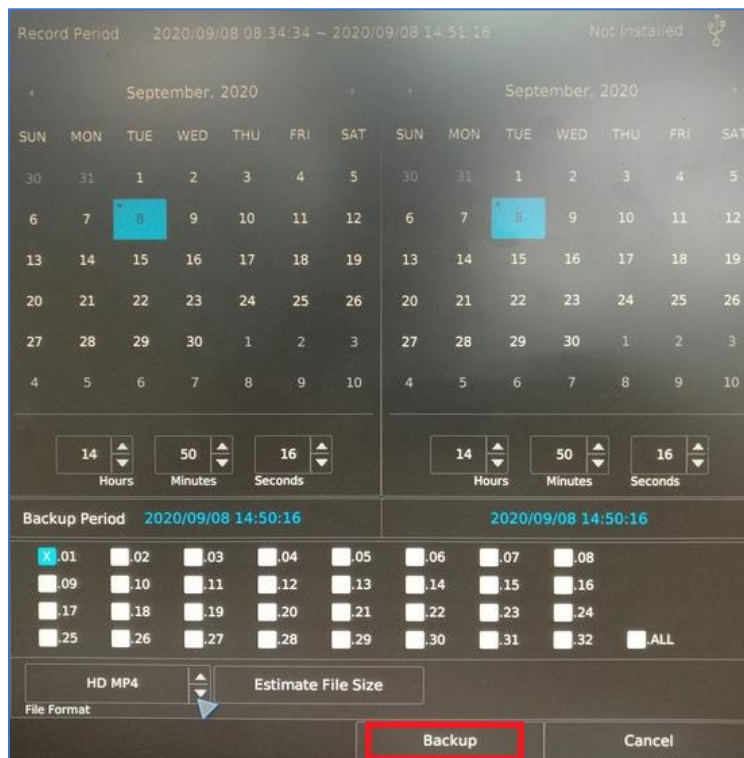   b. Click the Playback button.

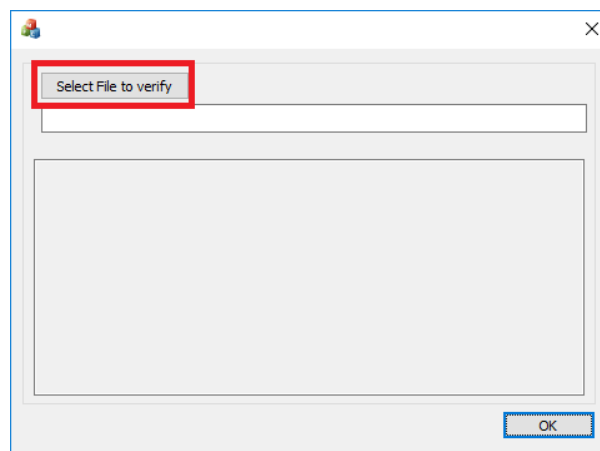   c. Click the playback button.

d. Click the USB button.

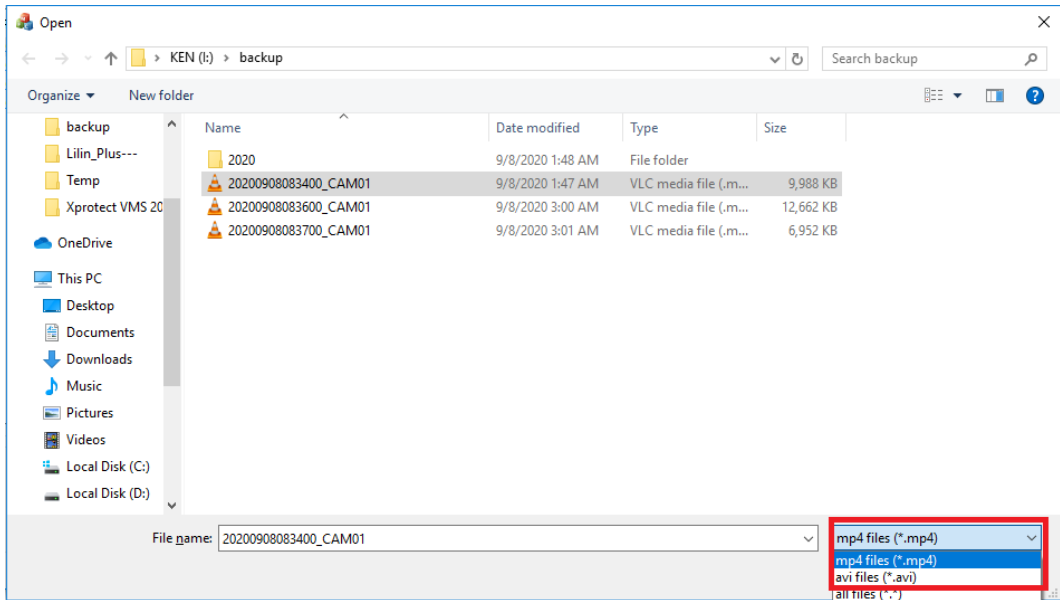e. Select the date, time and file format, and then click the Backup button.

Step #2. To verify each backup footage by the tool WaterMarkCheecker.exe

    a. Insert the USB flash drive into a PC.
    b. Execute WaterMarkChecker.exe
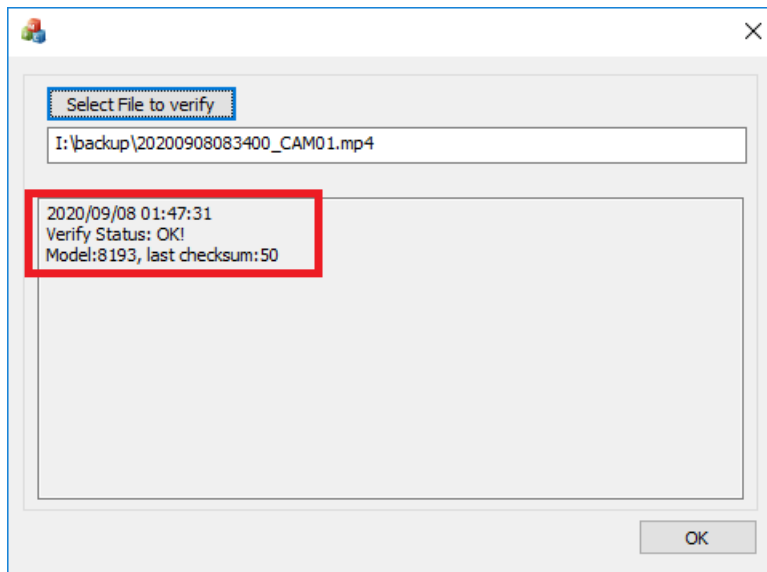   c. Click the Select File to verify button

    d. Select backup folder on the USB flash drive, select the correct file format, and highlight one file.
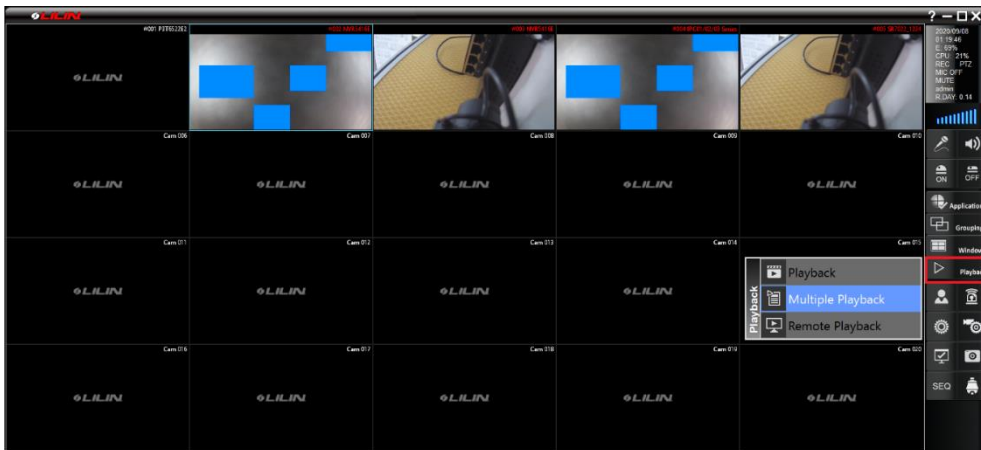
Notice: Only MP4 and AVI formats supported.

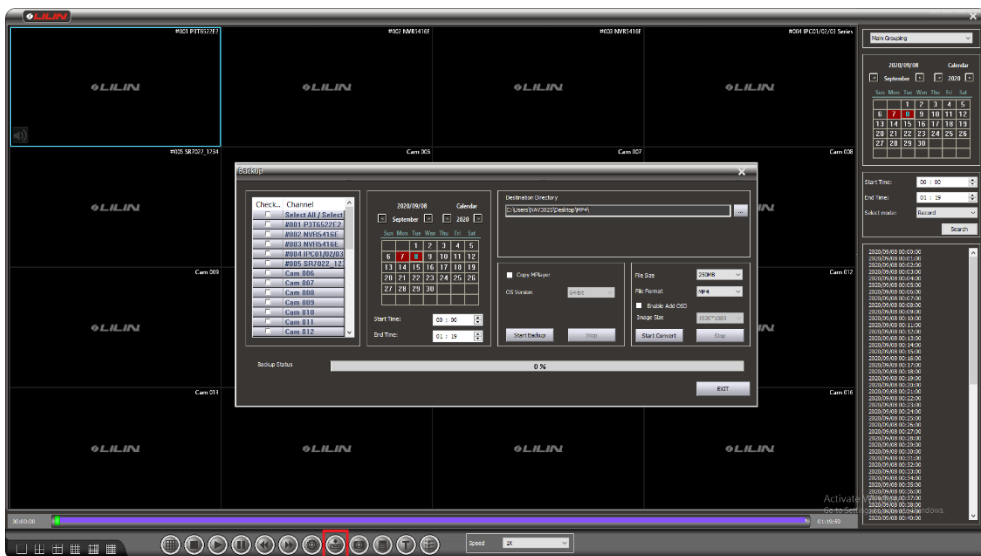 e. The verified status will show OK if the backup footage has not been modified.

For NAV
Step #1. Backup footage to any storage drive.
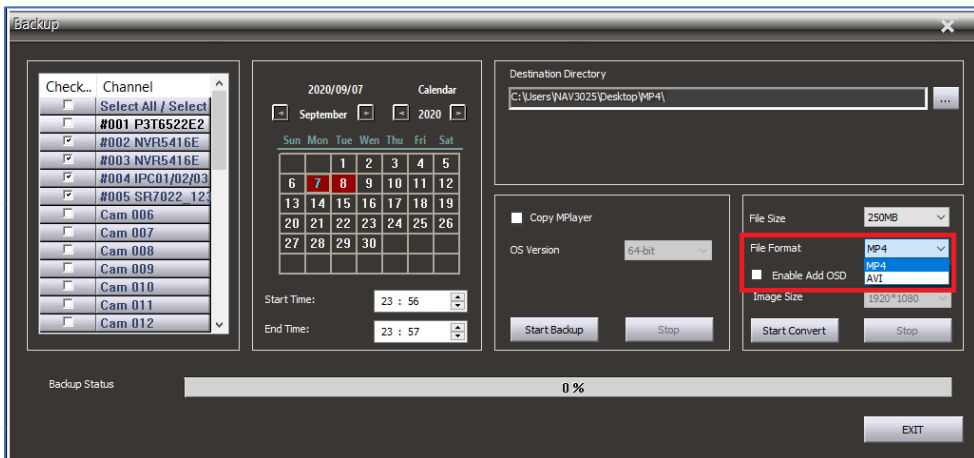
  a. Click Playback button and select Playback or Multiple Playback.
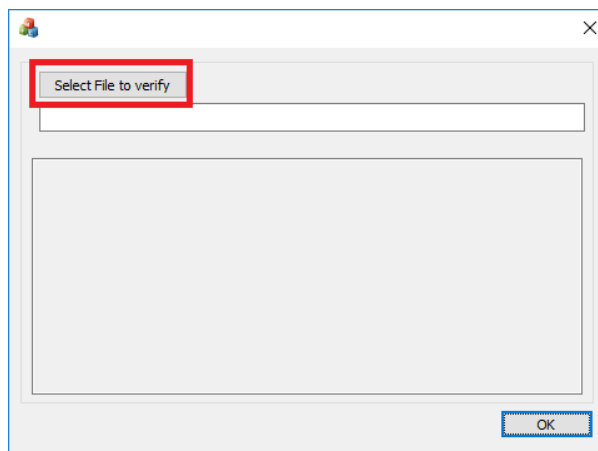
b. Click Backup button.

c. Select channels, date, time, destination directory and file format, then click the Start Convert button.
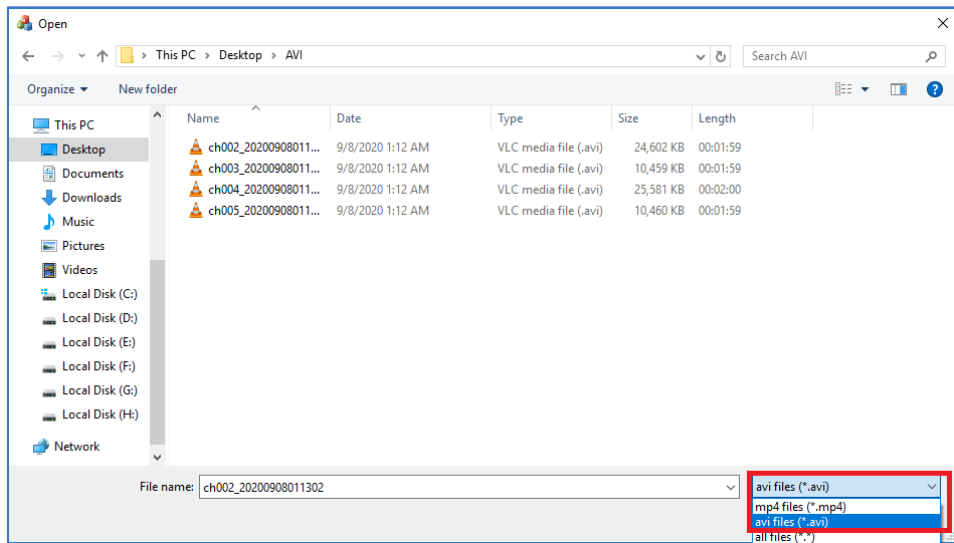
Step #2. To verify each backup file using the tool WaterMarkChecker.exe

    a.   Execute WaterMarkChecker.exe
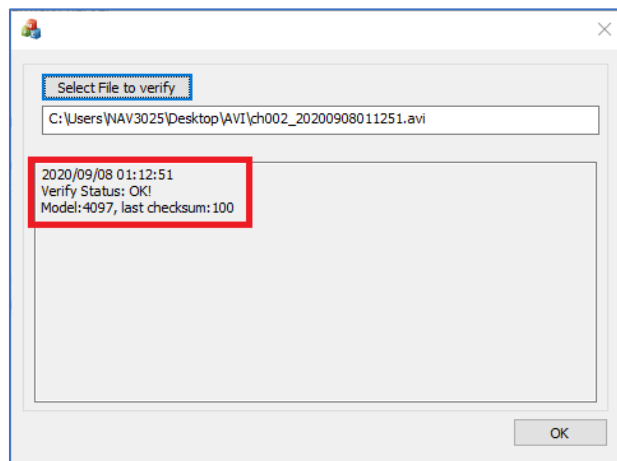   b.   Click Select File to verify button

    a.   Select backup folder on the USB flash drive, select the correct file format, and highlight one file.

Notice: Only MP4 and AVI formats supported.

    c. The verified status will show OK if the backup footage is not modified.

Contact lilin.zendesk.com for technical support.
Contact for technical support.