



Merit LILIN Application Note

How to use WaterMarkChecker to check forged LILIN backup footages of NAV/NVR/DVR products

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Dept: Technical Support, Taipei

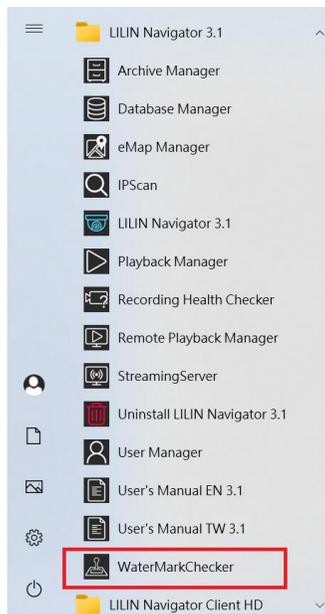
Subject: How to use WaterMarkChecker to verified LILIN's video backup files are not forged.

Description: LILIN NAV and NVR/DVR are now support digital watermark feature to ensure the backup footage is not got forged and modified. A user can use the tool WaterMarkCheecker.exe to verify if the backup footage gets forged or not.

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)

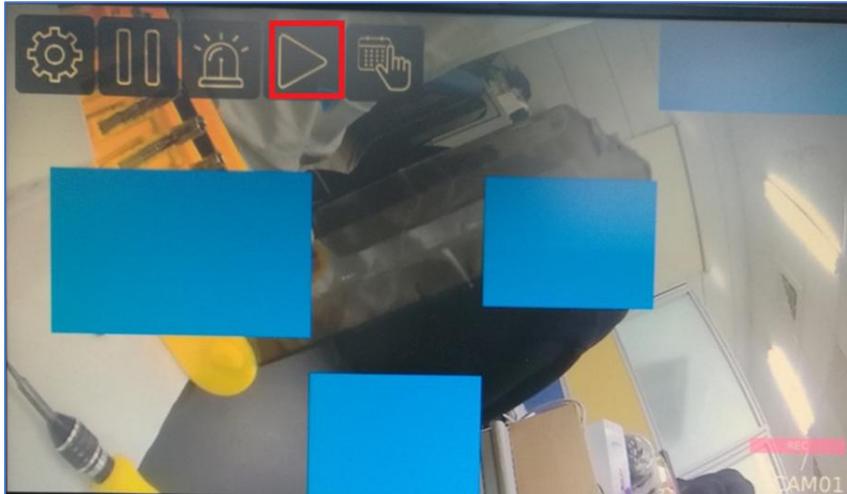
WaterMarkChecker can be found after installing NAV 3.0 or NAV 3.1.



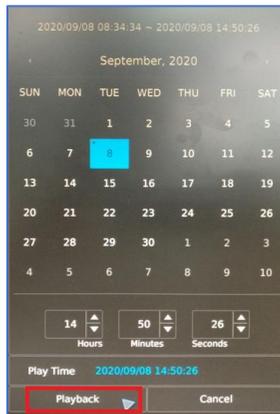
For NVR/DVR 5 & 6 series

Step #1. Backup video footage to the USB flash drive.

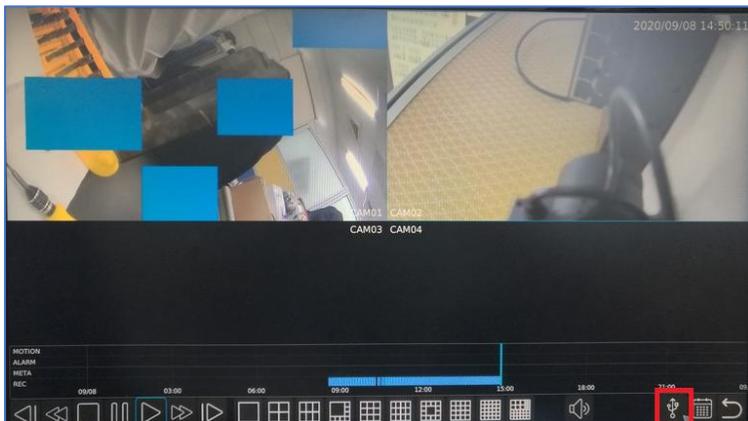
- a. Insert an USB flash drive into the NVR5832/5416E.
- b. Click the Playback button.



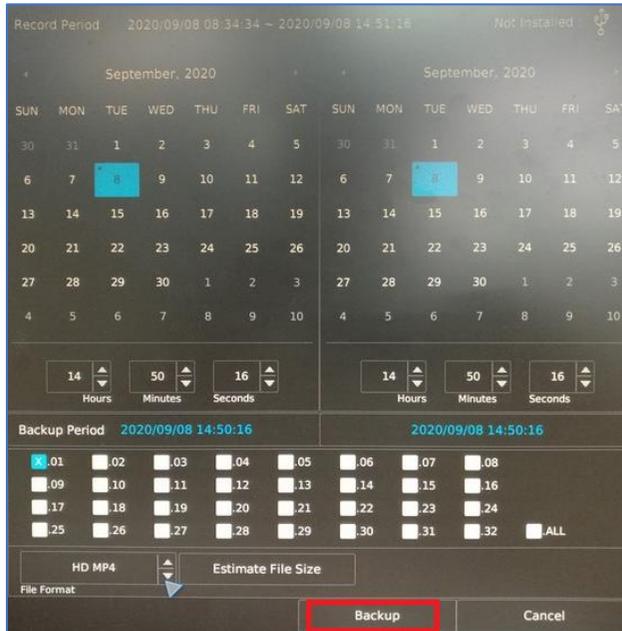
c. Click playback button.



d. Click USB button.

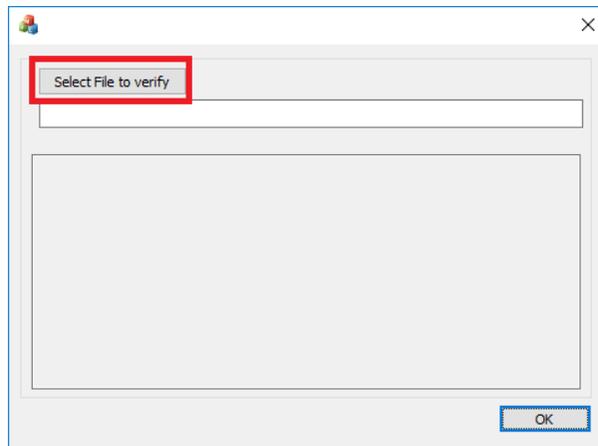


e. Select the date, time and file format, and then click Backup button.

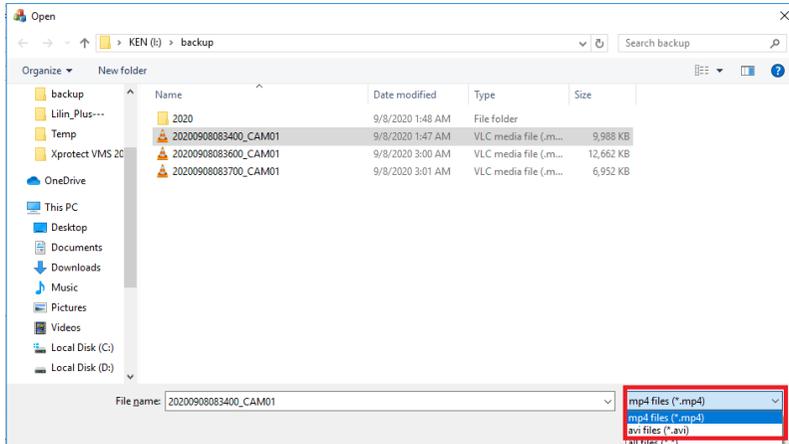


Step #2. To verify each backup footage by the tool WaterMarkChecker.exe

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

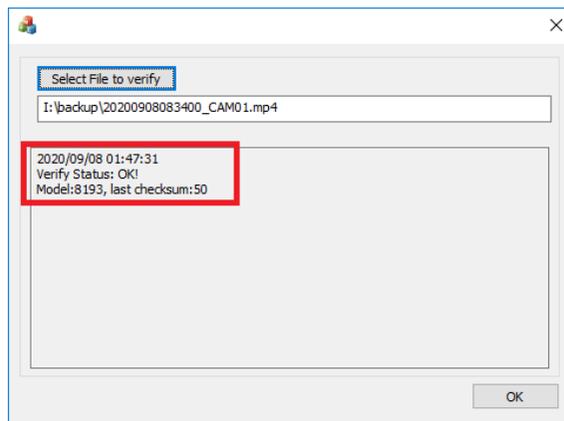


- d. Select backup folder from the USB flash drive, file format, and choose one file.



Note: File format supports mp4 and AVI only.

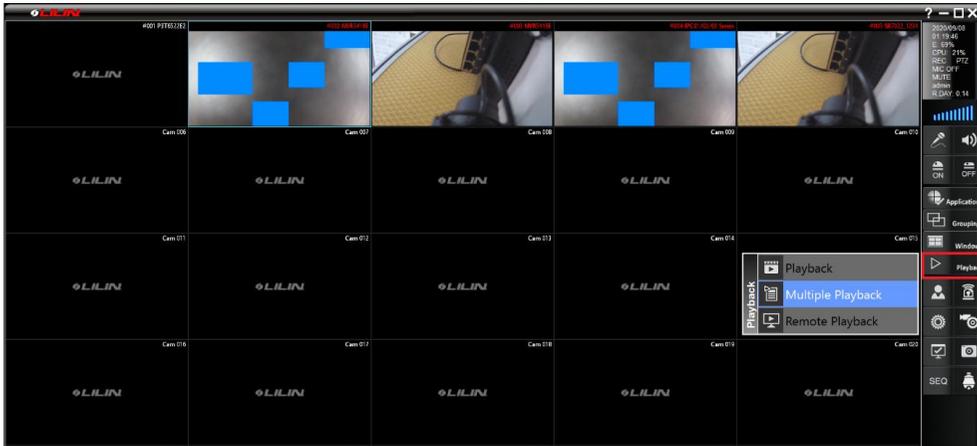
- e. The verify status will show OK if the backup footage is not modified.



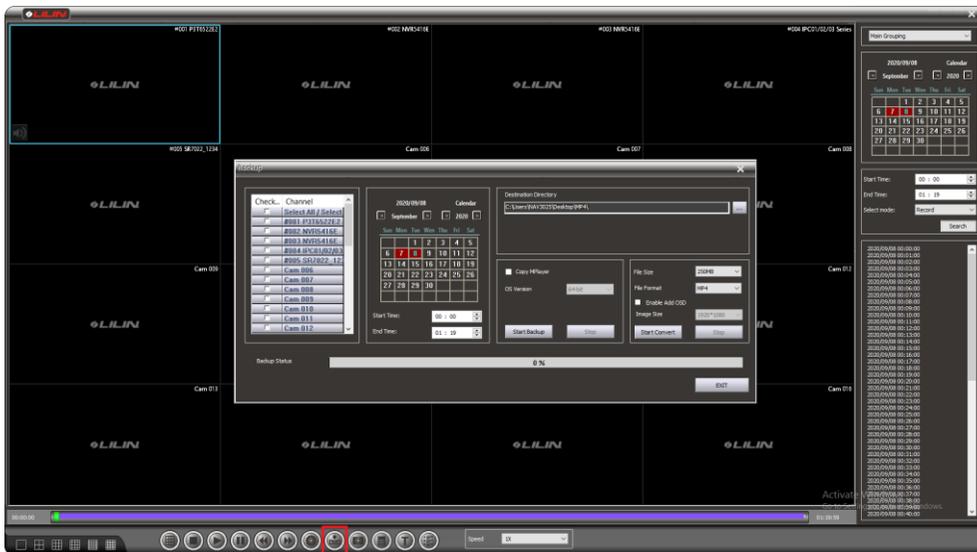
For NAV

Step #1. Backup footage to any storage drive.

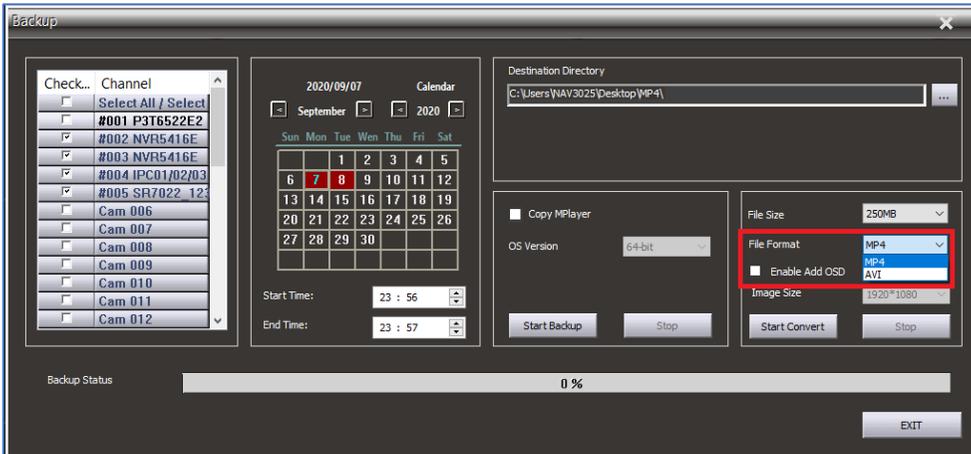
- a. Click Playback button, and select Playback or Multiple Playback.



b. Click Backup button.

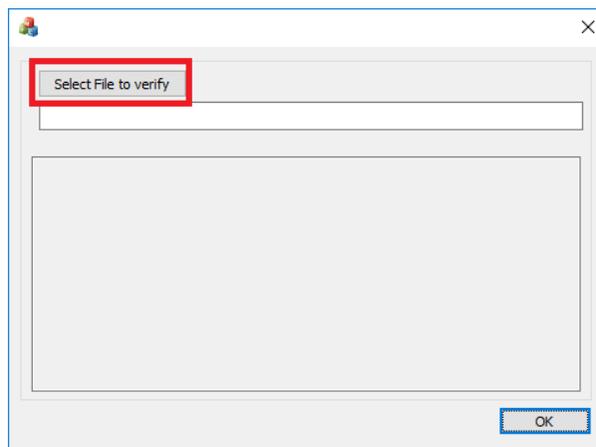


c. Select channels, date, time, destination directory and file format, and then click Start Backup button.

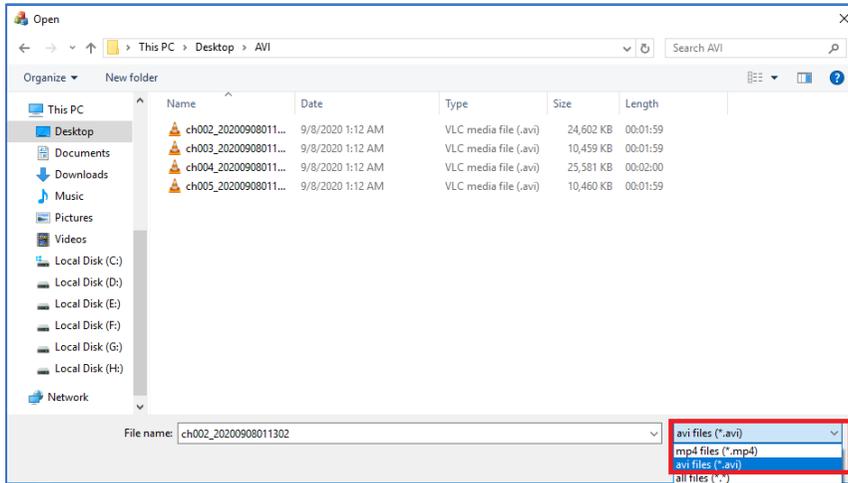


Step #2. To verify each backup footage by the tool WaterMarkChecker.exe

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

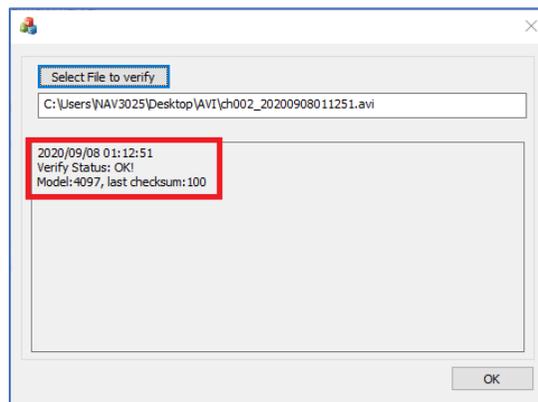


- c. Select backup folder from the USB flash drive, file format, and choose one file.



Note: File format supports mp4 and avi only.

- d. The verifying status will show OK if the backup footage is not modified.



Contact lilin.zendesk.com for technical support.