



How to mount RAID on NVR7800

Application Notes

Version <1.0>



Technical Support Team

Preface:

- Creating RAID by EonOne Lite will reserve one HDD to be the spare drive. (e.g. Creating RAID5 needs at least 4 HDDs; creating RAID6 needs at least 5 HDDs).
- If a user wants to create more than one RAID partition, please try the followings:
 1. Insert the HDDs for first RAID.
 2. Create the first RAID partition.
 3. Insert the other HDDs for second RAID.
 4. Create the second RAID partition.

- After inserting HDDs, EonOne Lite needs to wait for a while to detect HDDs information. In this case, if we insert 10 HDDs, please wait about **3~5 minutes**.

- If you want to expand JBOD for NVR7800, please refer another application guide: http://www.surveon.com/doc/application/AN_How_to_expand_JBOD_for_NVR7800.pdf

- For more detail Milestone VMS function, please refer Milestone manual and user guide: <https://www.milestonesys.com/support/manuals-and-guides/>

Our setup procedure would be as follow:

Step 1: Create Recording RAID by EonOne Lite

Step 2:Mount Recording RAID on NVR7816.

Step 3: Create Archiving RAID by EonOne Lite

Step 4:Mount Archiving RAID on NVR7816.

Step 5: Install Milestone and change recording and archiving path to new path.

Appendix: About Milestone archiving

Note:

In this application guide, we will guide you to create two RAIDs partitions by EonOne Lite. We use 10 HDDs to create the first RAID for recording path, and we use another 6 HDDs to create the second RAID for archiving path.

Step 1: Create recording RAID by EonOne Lite

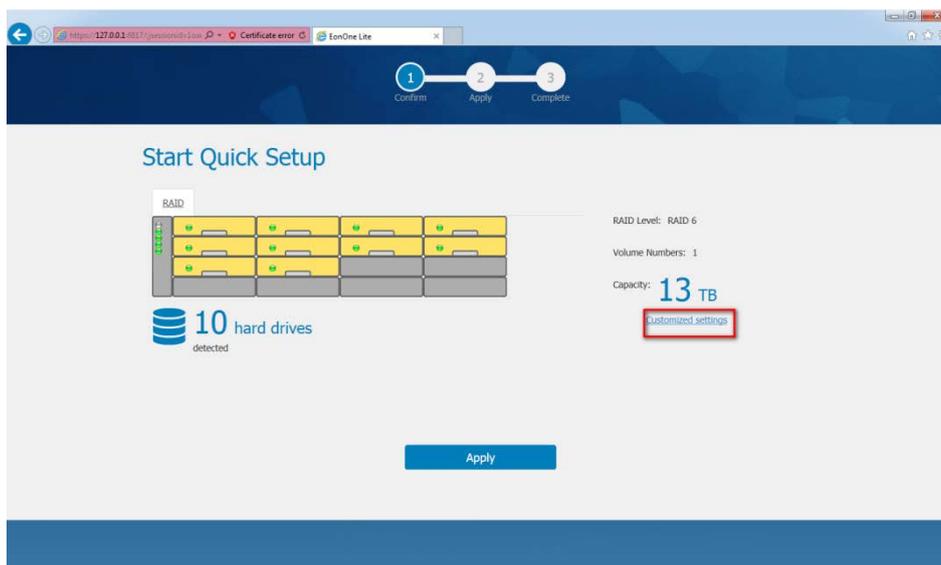
- Insert partition1 HDDs (in this case we insert 10 HDDs). Wait about 3~5 minutes and right click “EonOne Lite” on Desktop.



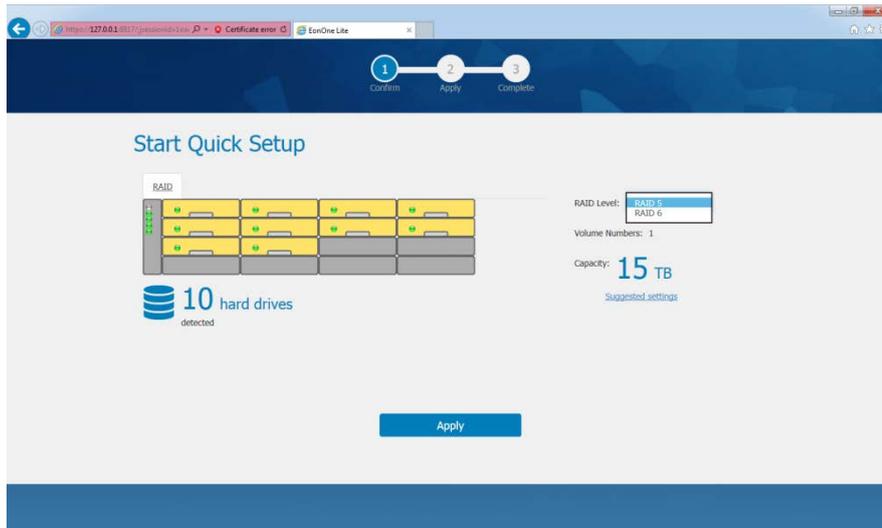
- Enter “Username” and “Password” to login (admin / admin).



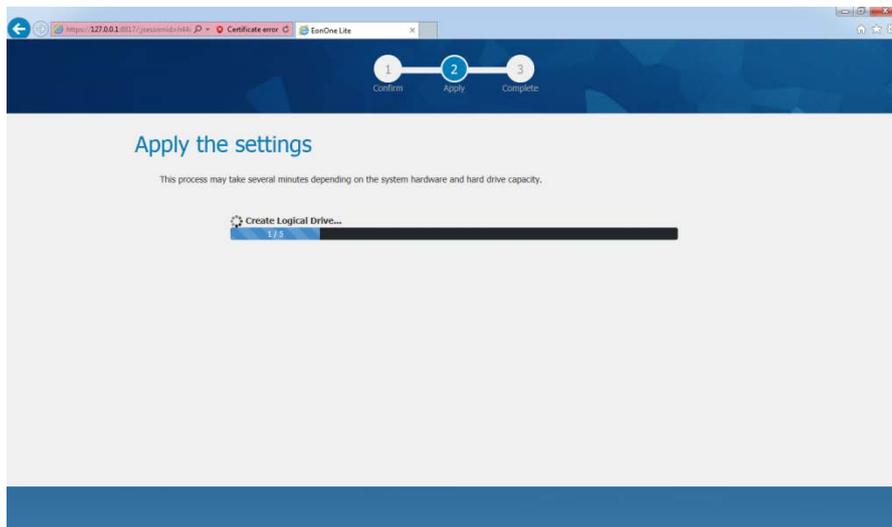
- EonOne Lite will detect HDDs, checking HDDs, and user can press “Customized settings”.



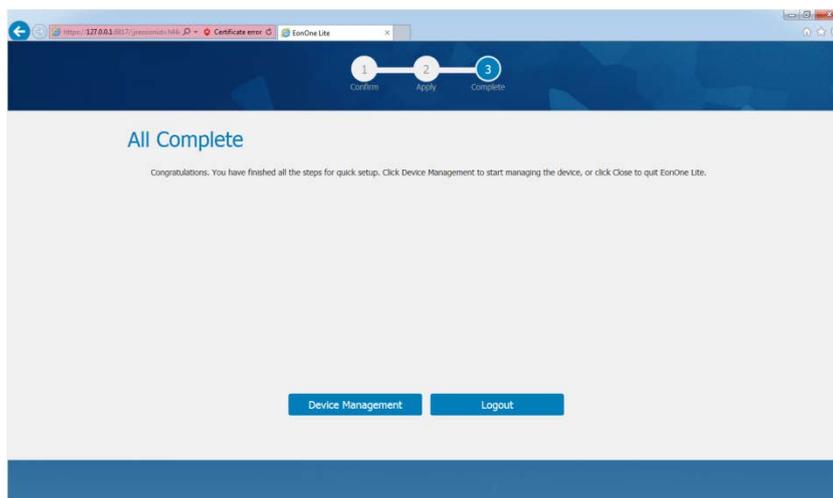
- Select RAID Level and press “Apply”.



- Please wait for a while.

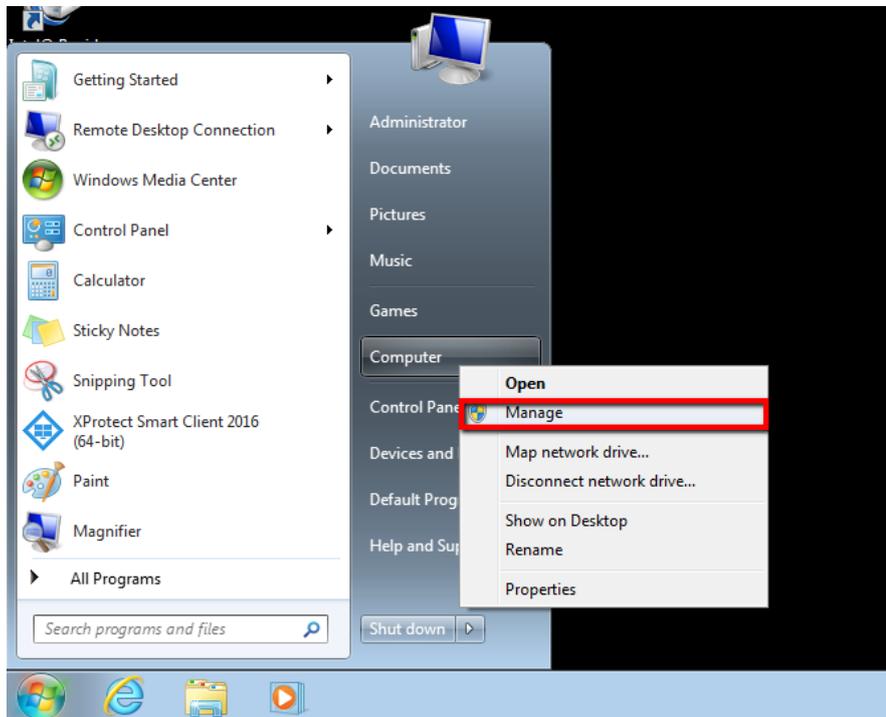


- When it completes, users can see “All Complete” message.

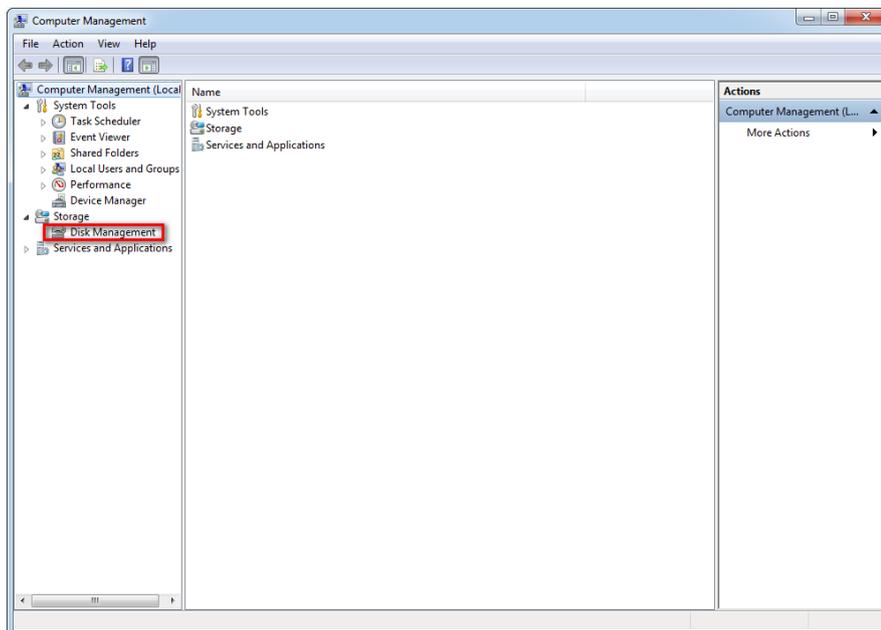


Step 2: Mount Recording RAID on NVR7816

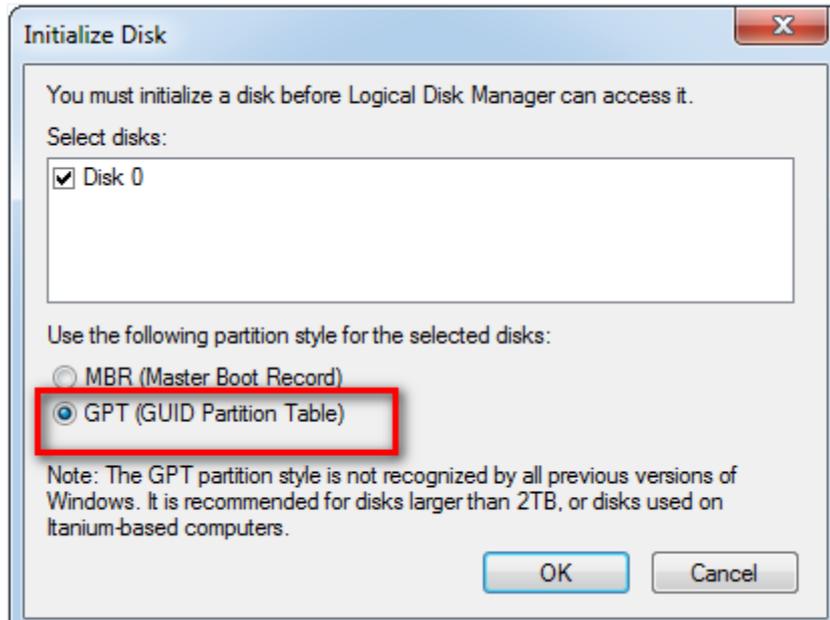
- Press Windows “Start” → Right-clicking “Computer” → “Manage”.



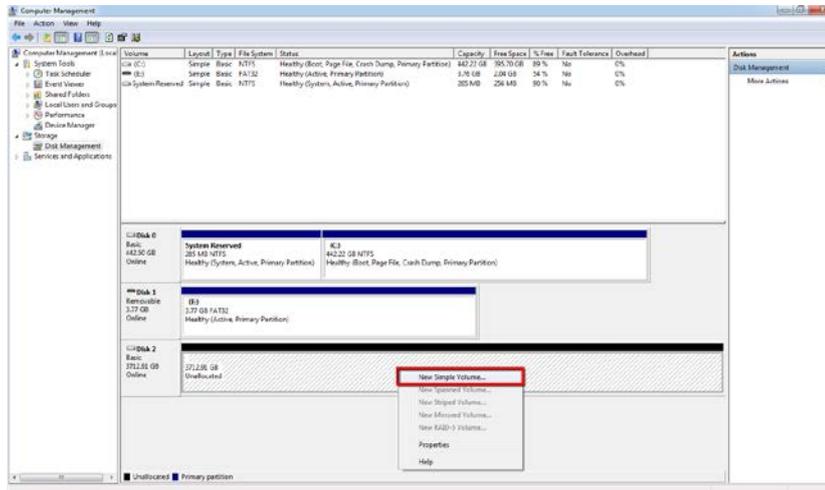
- Press “Disk Management”.



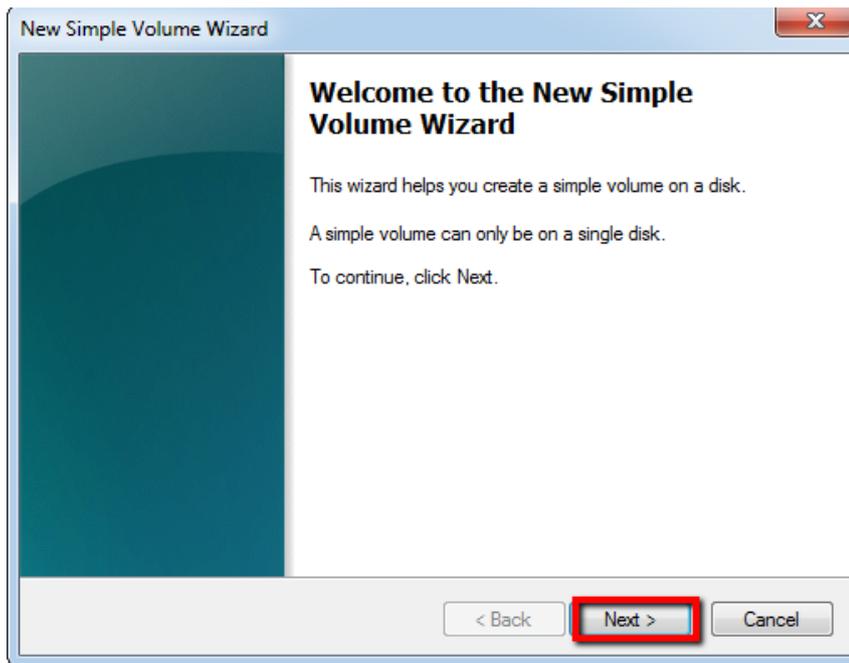
- It will show “Initialize Disk”. Select GPT and press “OK”



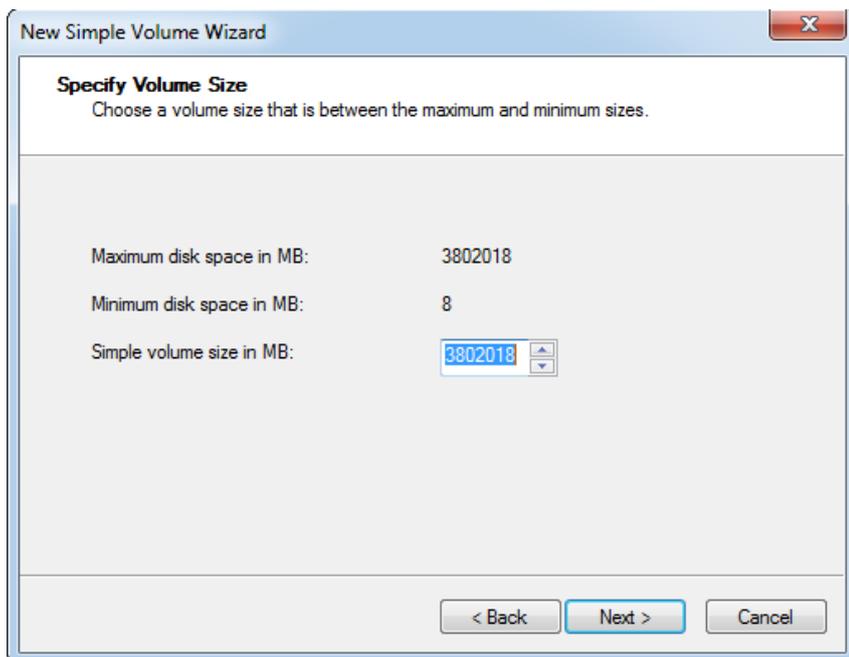
- Users can see this RAID as “Online”, and right click “New Disk” → selecting “New Simple Volume...”



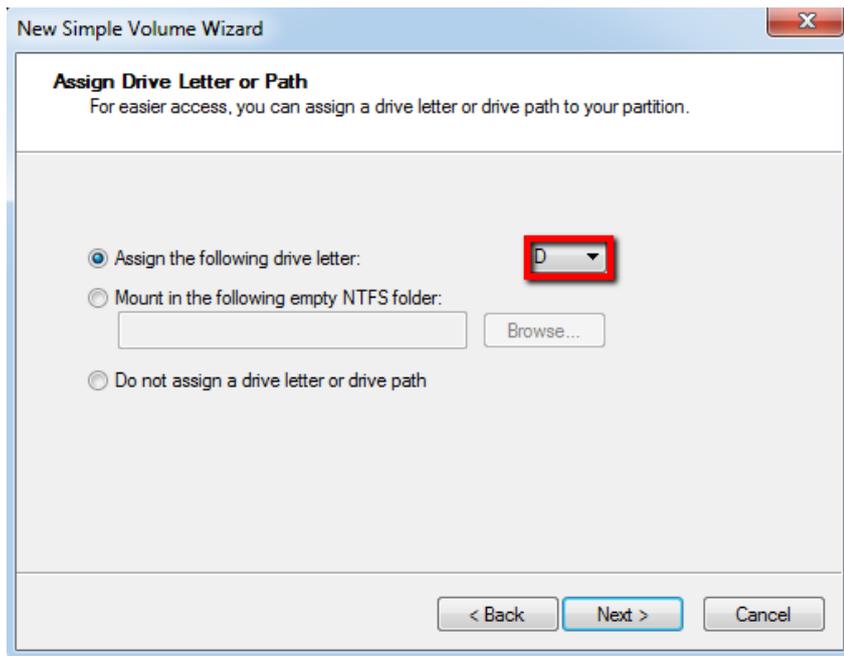
- After Initial Install Wizard completed, please press “Next”.



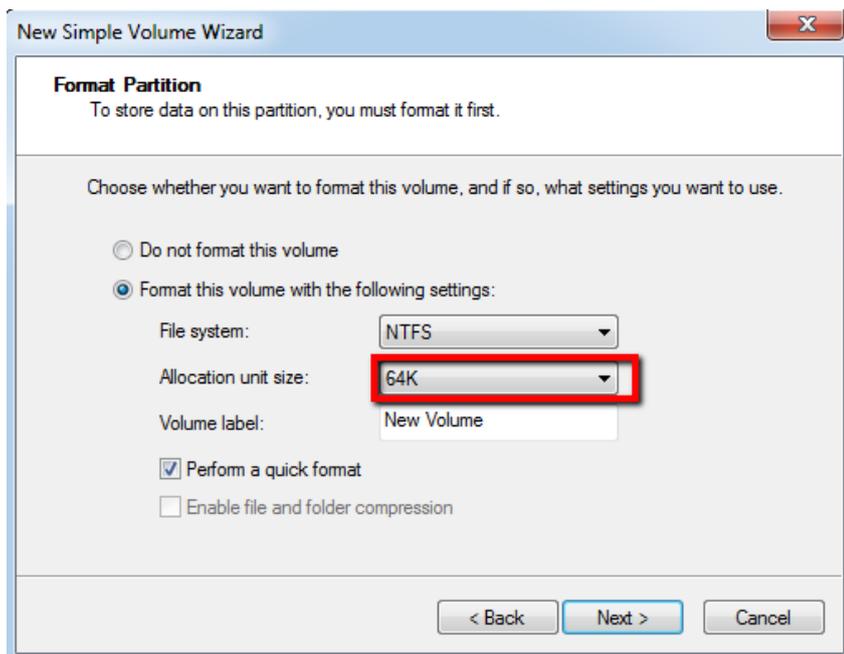
- Select “Simple volume size in MB”, and press “Next”. (In our case we assign all the space to the new volume)



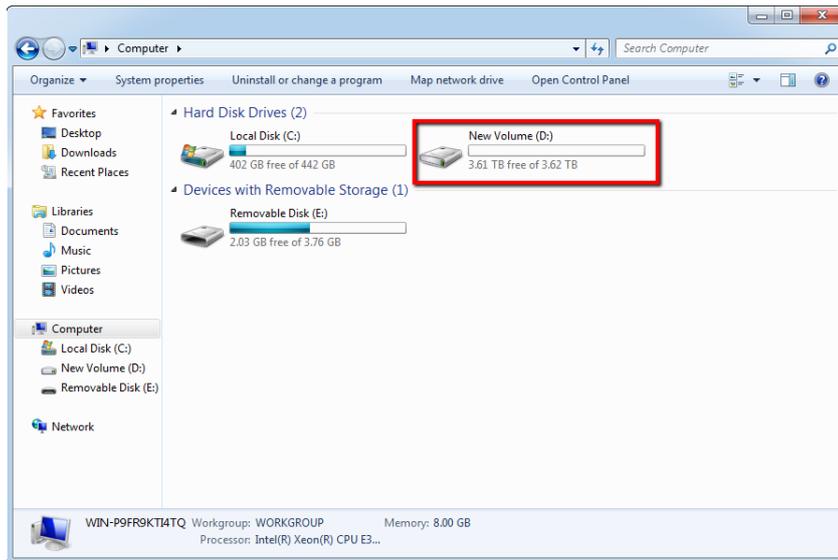
- Select “Assign the following drive letter”. Choose the new folder and press “Next”.



- Select "File system" style **NTFS**. Choose "64K" for allocation unit size and press "Next".



- Then users can see new folder "D"(record folder)in computer.



Step 3: Create Archiving RAID by EonOne Lite

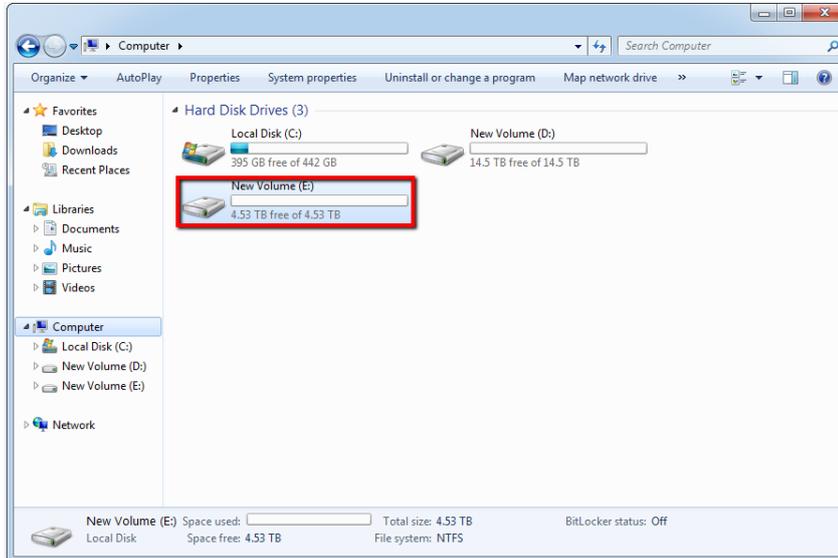
- Insert partition2 HDDs (in this case we insert 6 HDDs). Wait about 3~5 minutes; click “EonOne Lite” on Desktop.



- For the setup procedure, please refer step 1 “Create Recording RAID by EonOne Lite”, to create the archiving RAID.

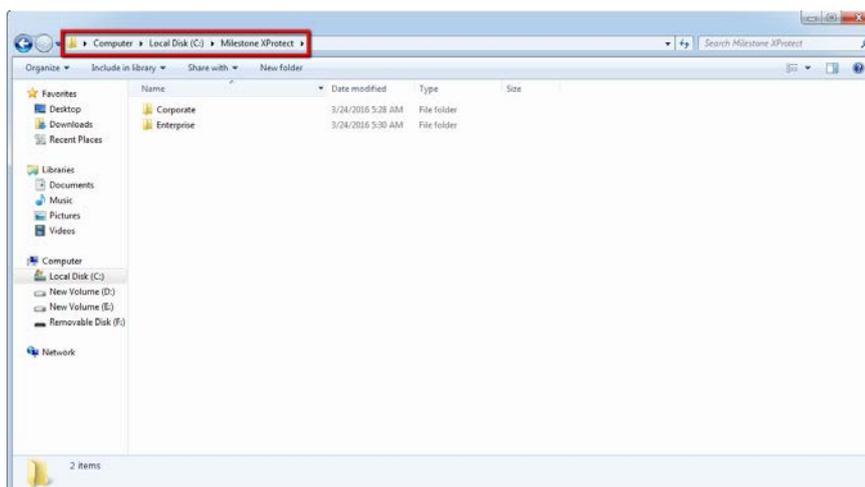
Step 4: Mount Archiving RAID on NVR7816.

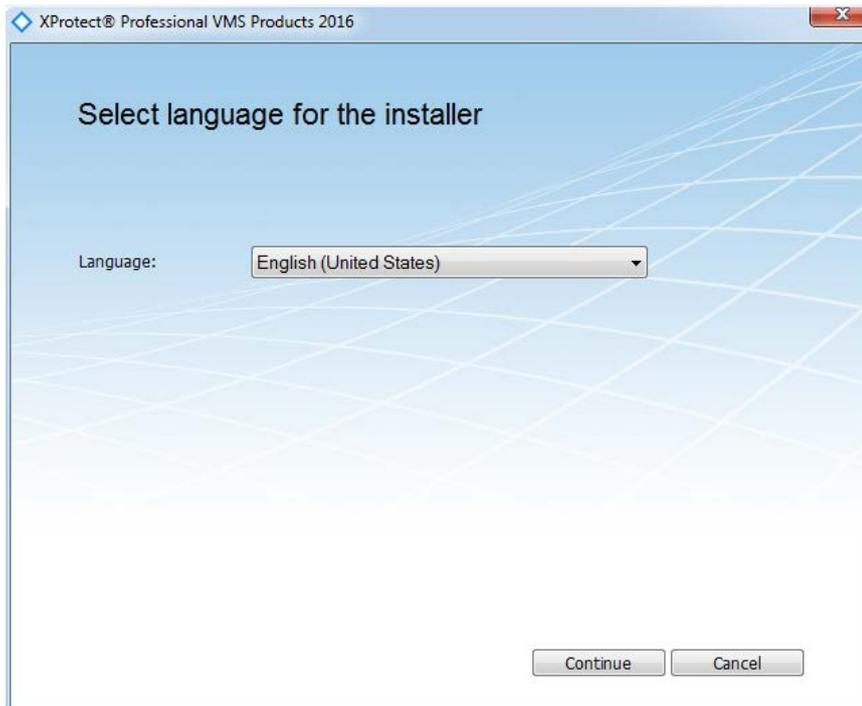
- For the setup procedure, please refer to Step2 “Mount Recording RAID on NVR7816”, to mount the archiving RAID on NVR7816.



Step 5: Install Milestone and change recording and archiving path to new path

- We put Milestone software in “C:/Milestone XProtect”. Please double click the software and install it.

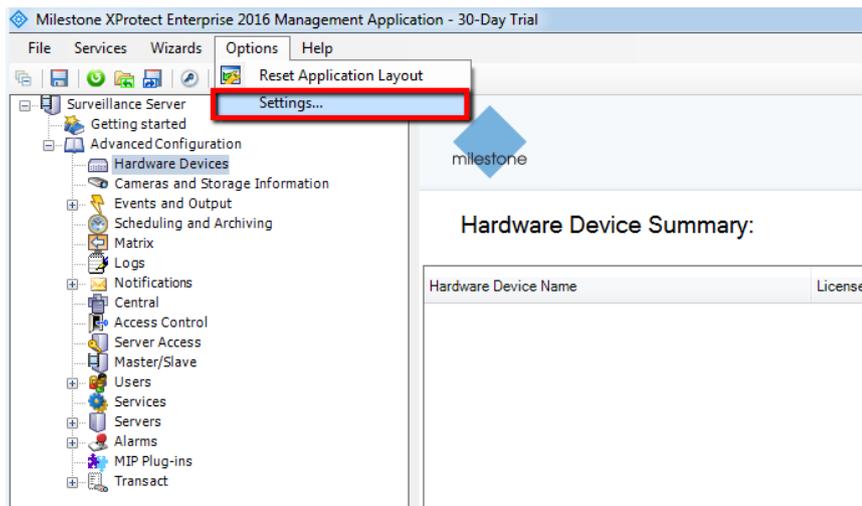




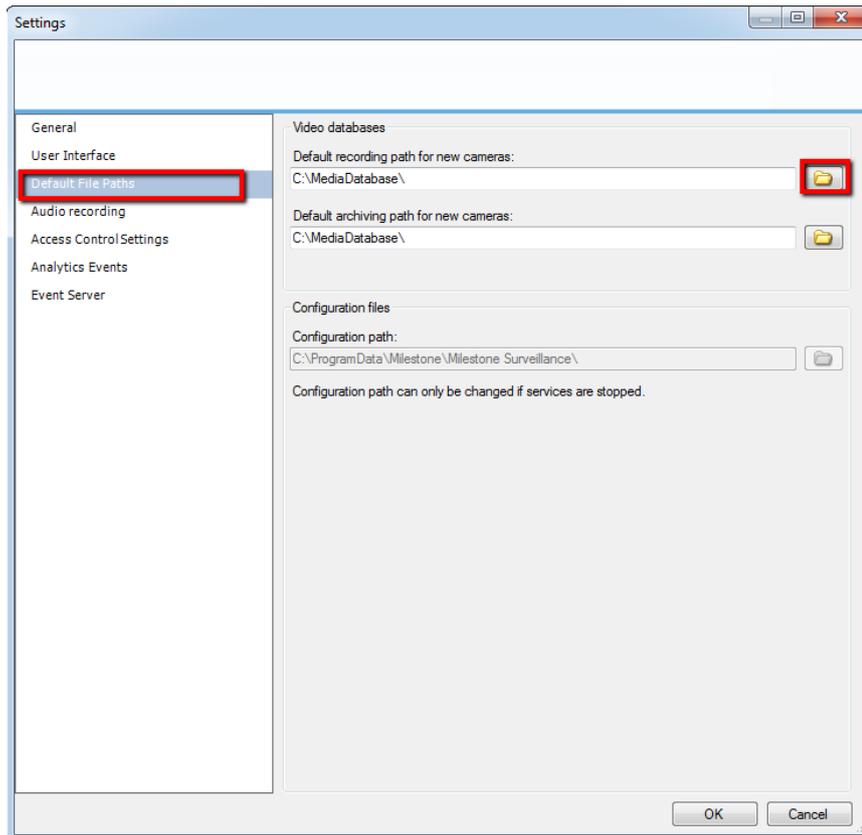
- Press “Milestone XProtect Management Application”



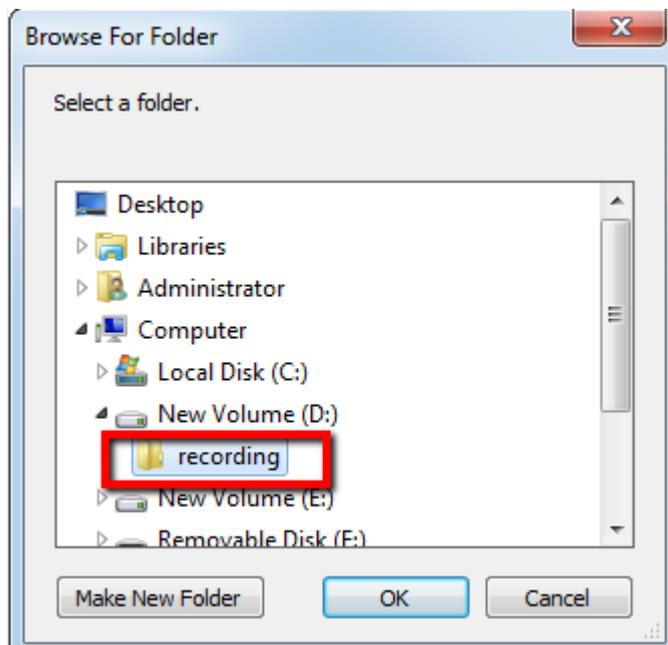
- Select “Options” / “Settings...”.



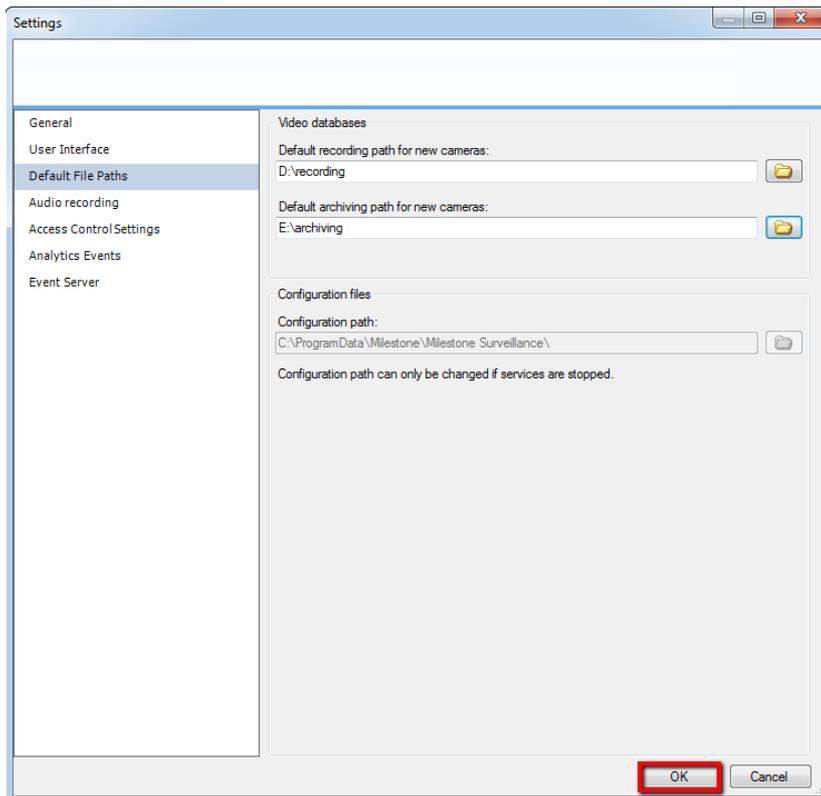
- Select “Default File Paths” and click the browse icon



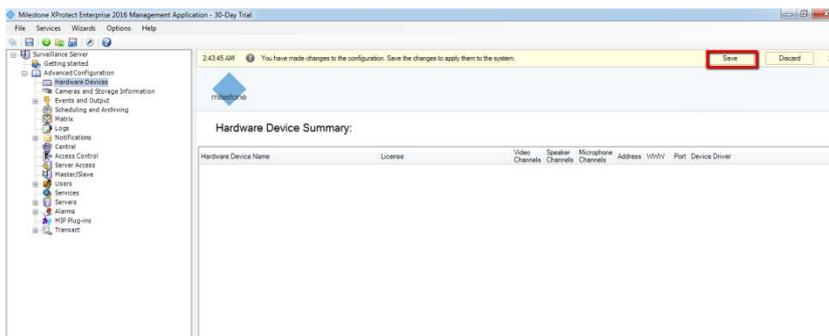
- Assign a new folder for “recording path”. (in this case we use D:\recording)



- Then assign a new folder for “archiving path”. (in this case we use E:\archiving)
- After settings, press “OK”.

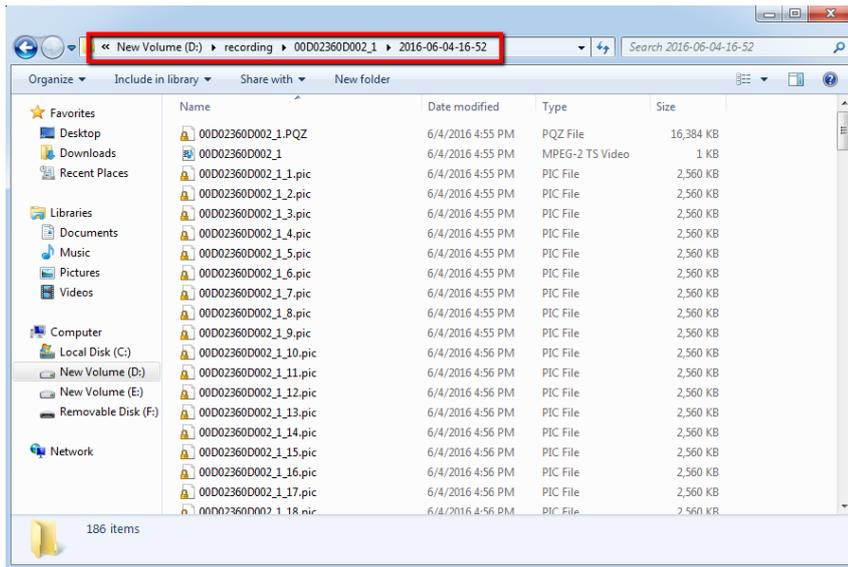


- Press “Save” icon.

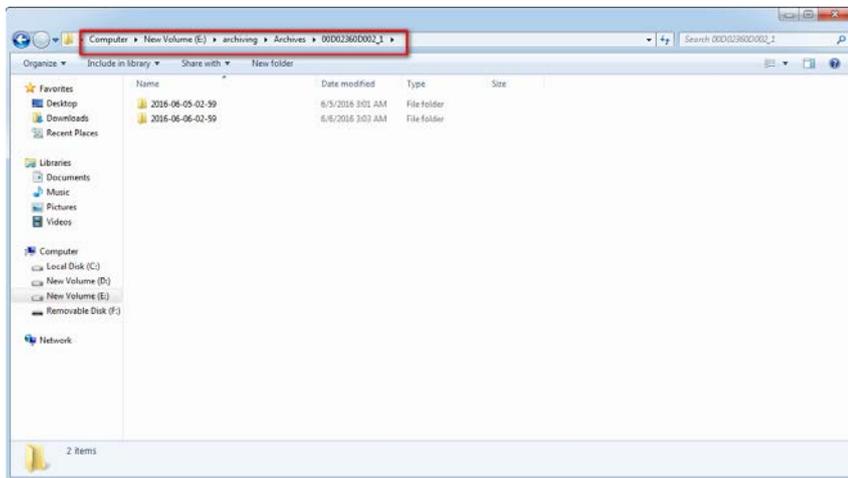


- Users can add on new IP Camera in Milestone; it will save new record file as “D:\recording” and move the old record file to archiving folder “E:\archiving” (Milestone will base on camera MAC address to create different camera folder).

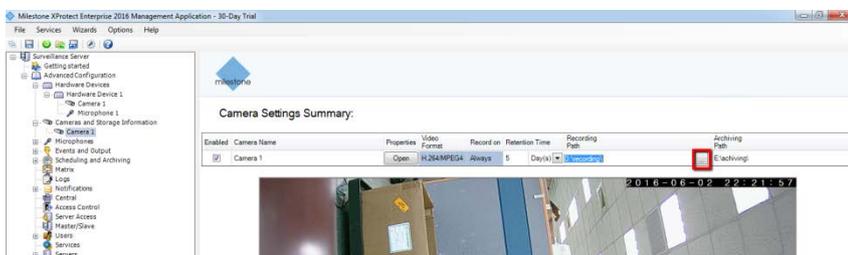
Recording Path:



Archiving Path (To save old file):



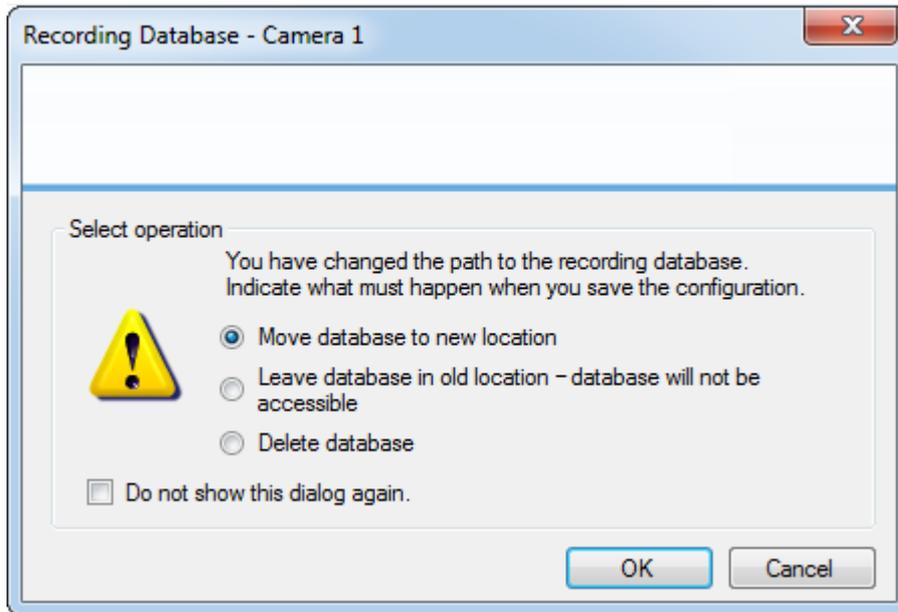
- For individual camera, users can also change “File path” or “Archiving path”.
- Please select “Cameras and Storage Information” → camera name → “...” icon to assign new “File path” or “Archiving path”.



- After settings, please press “Save”.



- Select the action you want, and press “OK”.



Note: if users want to delete the old recording path, please change your file path in Milestone first. Also please copy the original recording file to new patch. Directly delete the old path will crash Milestone recording service.

Appendix: About Milestone archiving

Archiving is an integrated and automated feature with which recordings are moved to free up space for new recordings.

By default, recordings are stored in the database for each camera. The database for each camera can contain a maximum capacity of 600,000 records or 40 GB.

System automatically archives recordings if a camera's database becomes full.

Consequently, having sufficient archiving space is important.

(Copy from Milestone user manual)