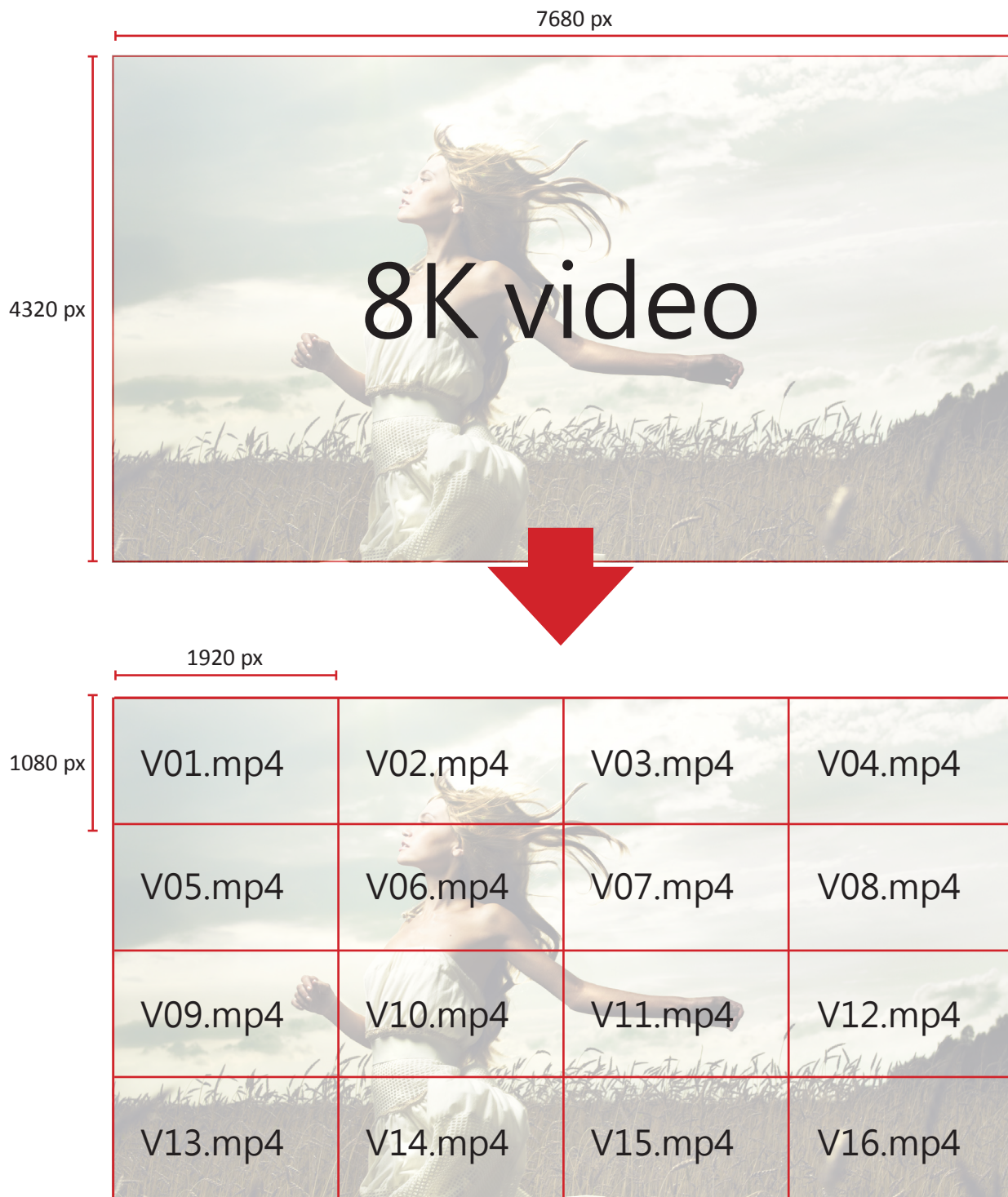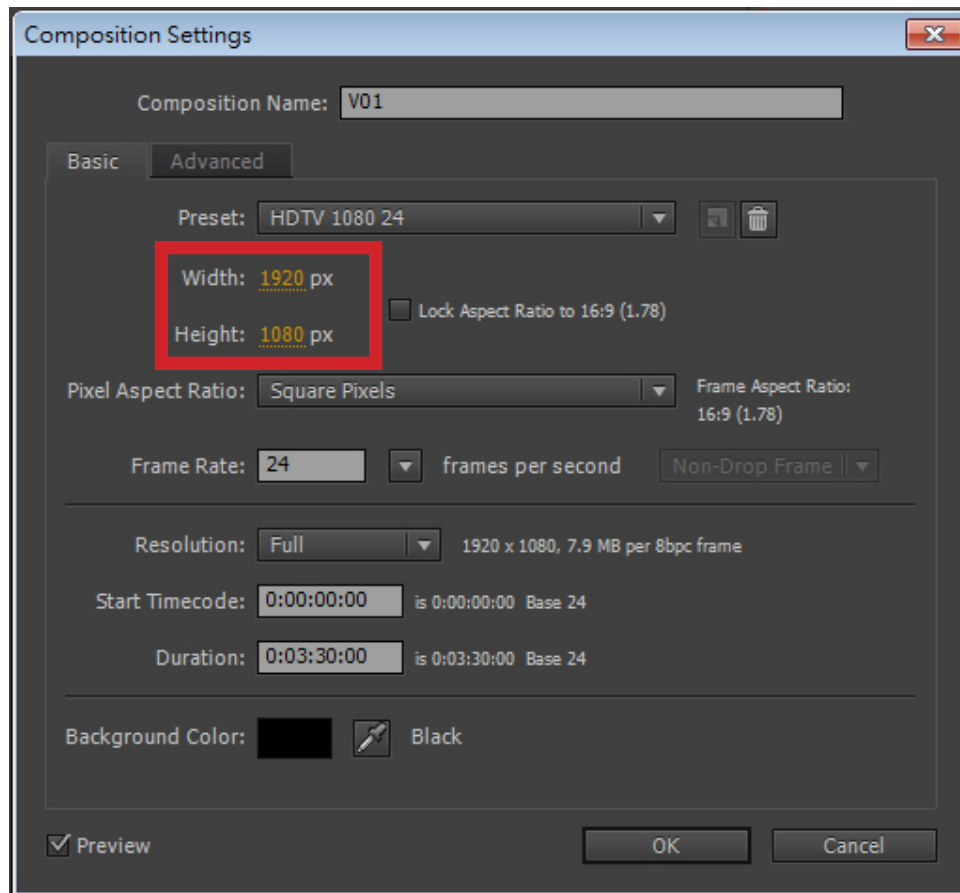# How to split an 8K video file into 16 1080p video files

This document provides the way to split an 8K (7680 x 4320 pixels) video file into 16 Full-HD (1920 x 1080 pixels) video files and then export files with .mp4 format by Adobe After Effects®. After exporting the 16 video files, you can use the DT Research Multi Screen Appliances* as well as WebDT Content Manager 6.0 Pro to realize the Super High Vision video playback.
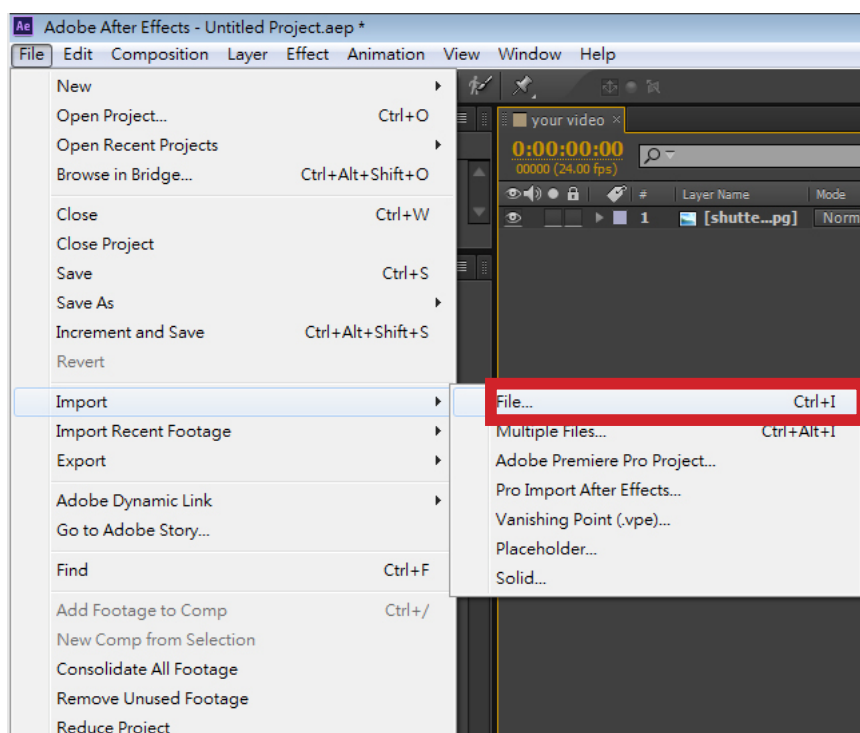
7680 px

4320 px

8K video

1920 px

1080 px

V01.mp4	V02.mp4	V03.mp4	V04.mp4
V05.mp4	V06.mp4	V07.mp4	V08.mp4
V09.mp4	V10.mp4	V11.mp4	V12.mp4
V13.mp4	V14.mp4	V15.mp4	V16.mp4

*For MS Appliances come with 16 outputs, like MS1600, MS1600X or MS2800X.
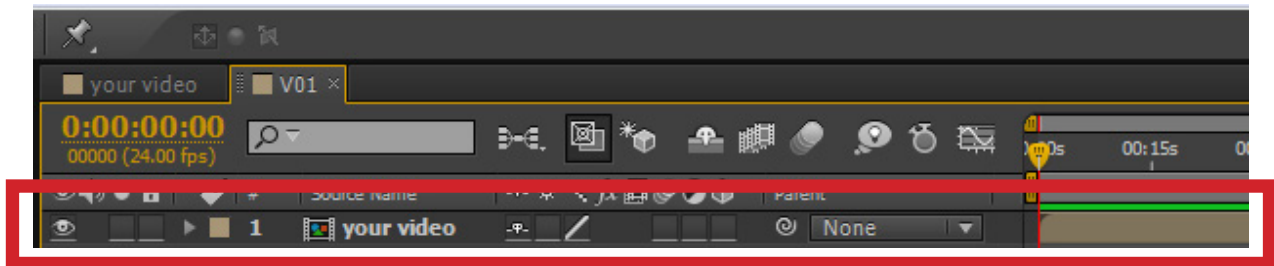
01 New a 1920 x 1080-pixel Composition and name it V1.
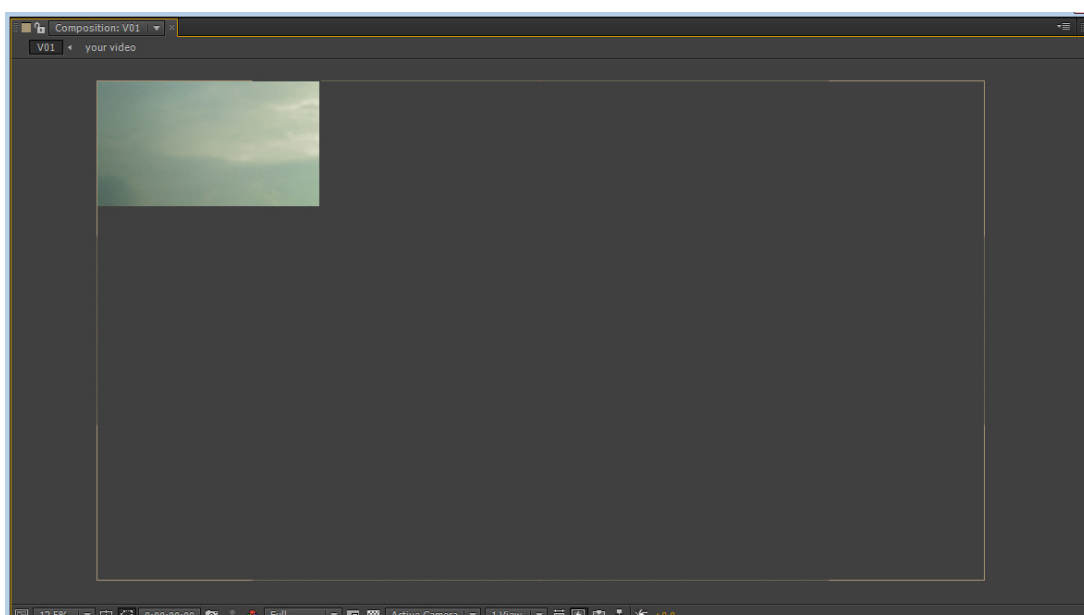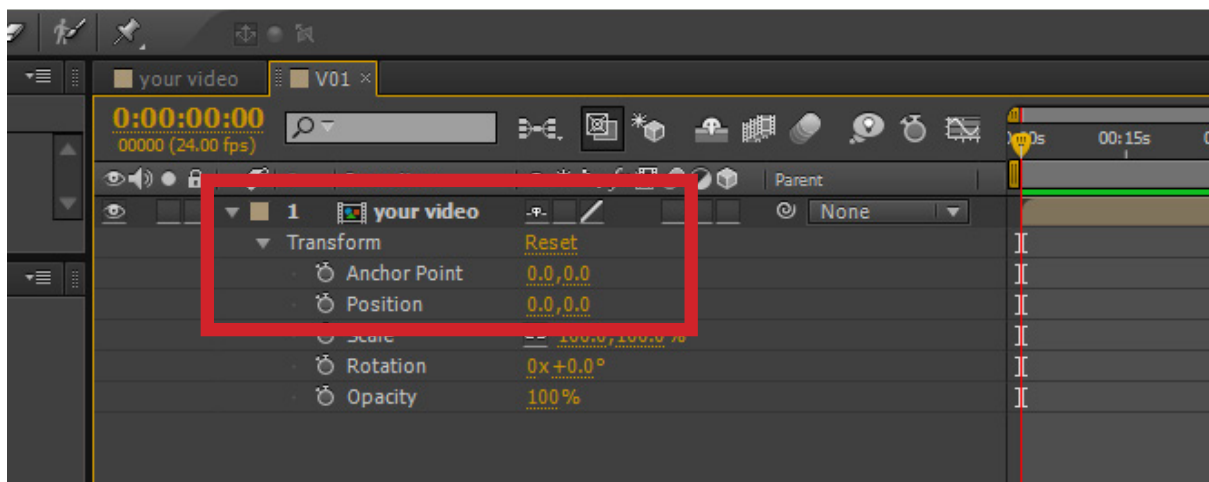

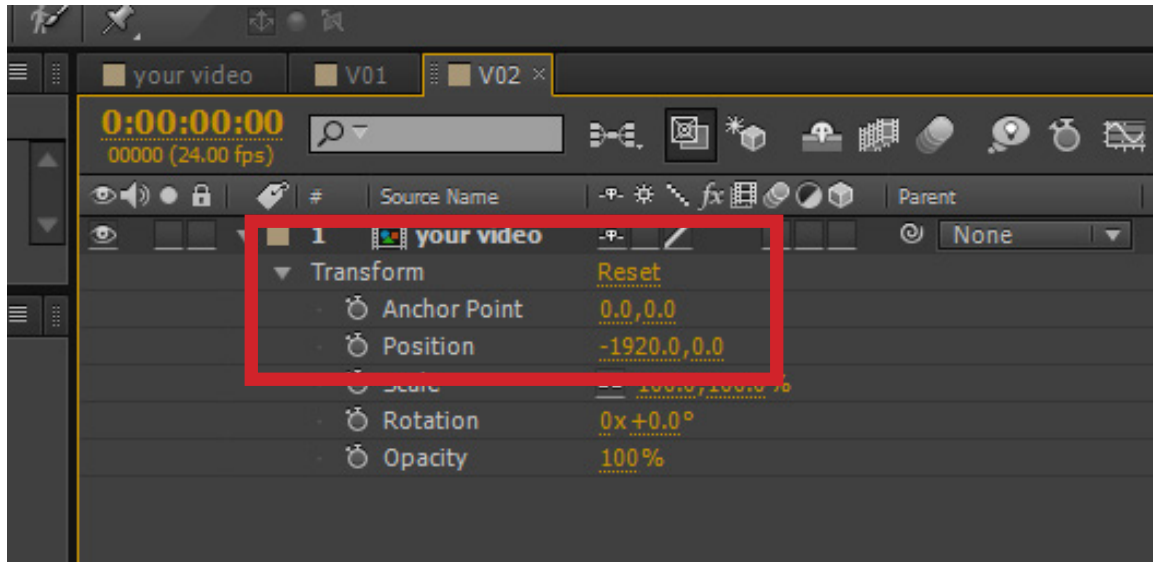**02** Click **File | Import | File** to import your 8K video.

03 Add the 8K video in the V1 Composition.

04 In the *Transform* settings, set the *Anchor Point* to 0.0,0.0 and *Position* to 0.0,0.0. Then, the V1 Composition division will align the upper left corner of the 8K video.
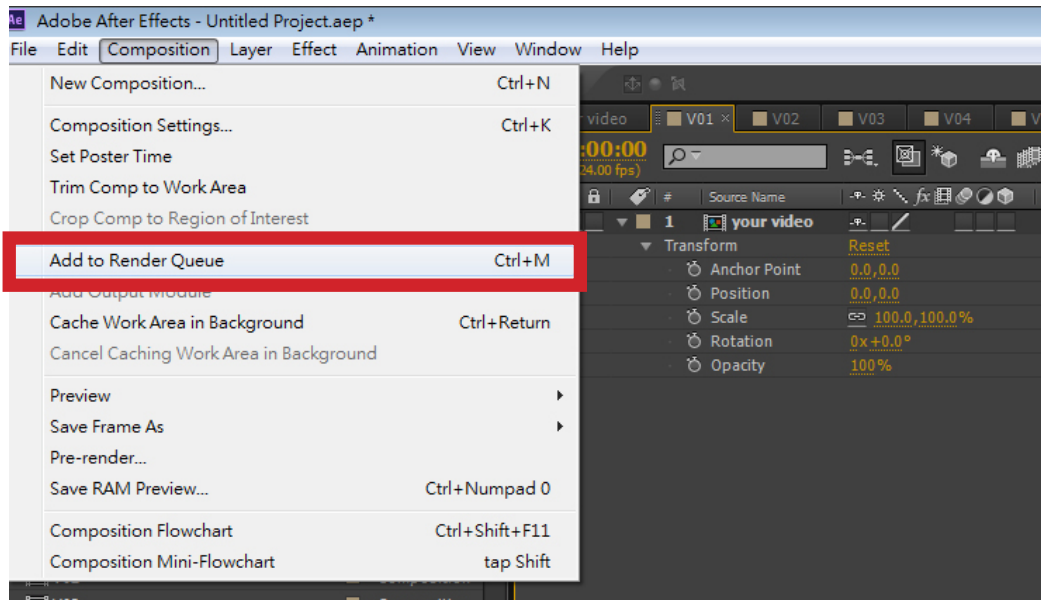
05 Repeat Step 1 to Step 4 to add the rest of the 15 Compositions, and name them V2 to V16. Change their Position values as below (always set their *Anchor Point* to 0.0,0.0).
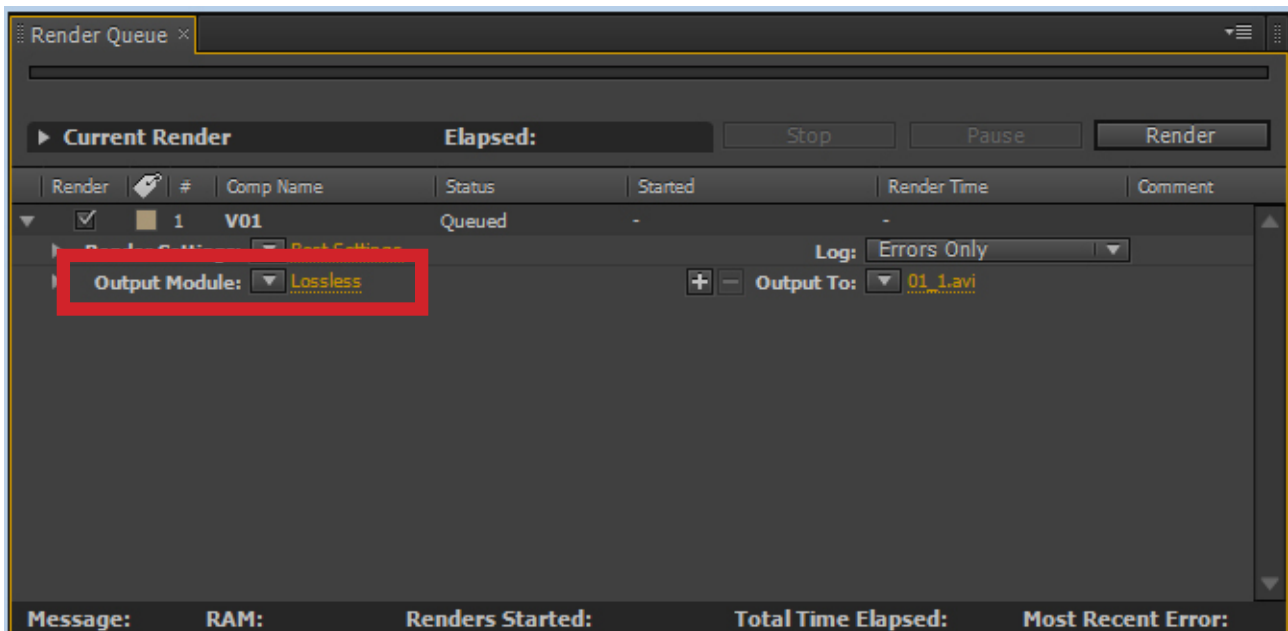

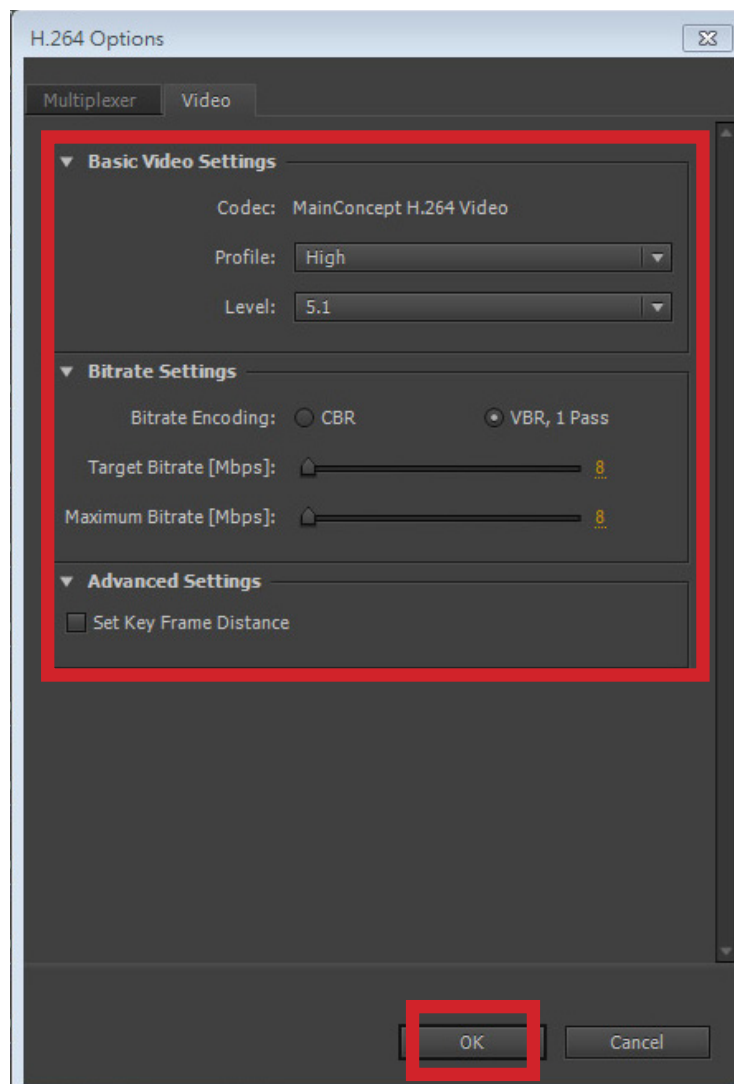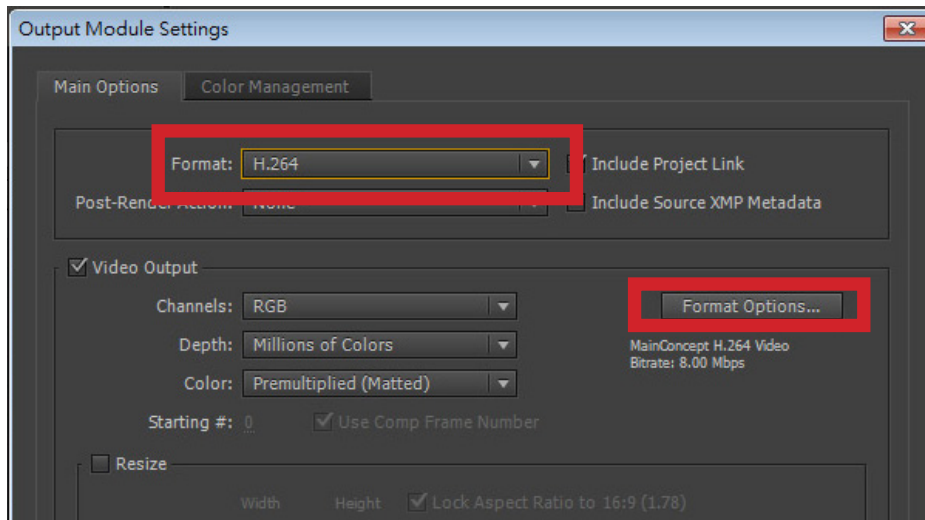| (0,0)	(-1920,0)	(-3840,0)	(-5760,0)
V01	V02	V03	V04
(0,-1080)	(-1920,-1080)	(-3840,-1080)	(-5760,-1080)
V05	V06	V07	V08
(0,-2160)	(-1920,-2160)	(-3840,-2160)	(-5760,-2160)
V09	V10	V11	V12
(0,-3240)	(-1920,-3240)	(-3840,-3240)	(-5760,-3240)
V13	V14	V15	V16

06 After creating V1 to V16 Composition, select V1 Composition and click **Composition | Add to Render Queue.**
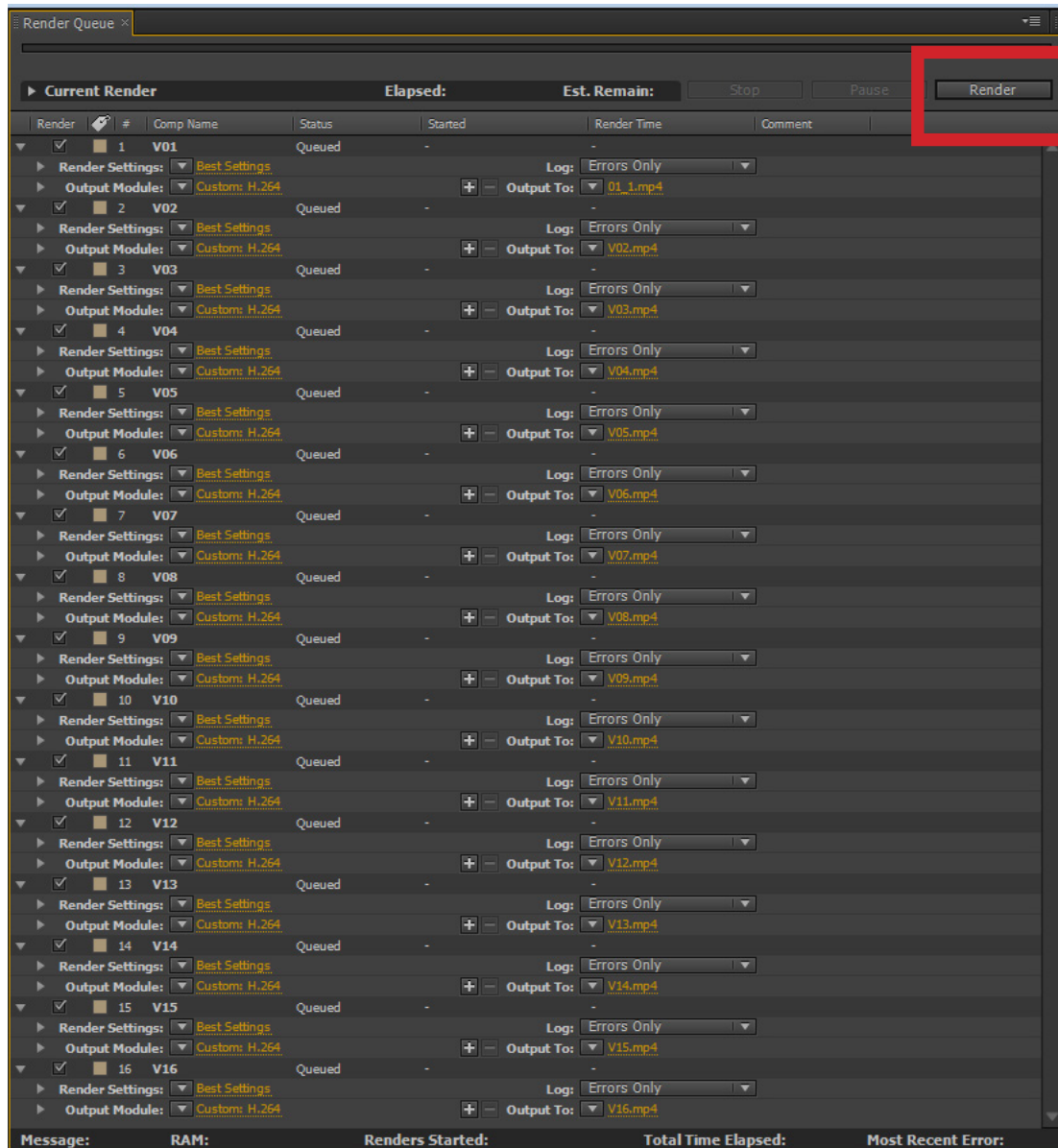

07 Click **Output Module** to adjust its Format.

8 Set its Format as H.264. You can also click **Format Options** to change its value and then click **OK**.

9 Repeat Step 6 and Step 7 to set up the V2 to V16 Compositions. Then, click **Render**.

Note

In general, you will need to select DT Research's MS2800X to play 16 video files to ensure playback on 16 screens will be synchronized in real time. However, you could also lower the bit rates of your video files to have 16 video files played and synchronized via MS1600/MS1600X. Please make sure to communicate with your local reseller or DT Research to choose the right model for your digital signage network.