Place the playhead to where you want to speed up or slow down the speed or videos. Then click Add icon to add speed keyframes. After adding speed ramp, Filmora will mark Speed Ramping on the video or audio clips. Now let's come to adjust the video keyframe speed, drag the keyframe dot upward or downward to control the point speed. Besides that, you can maintain the audio pitch whatever the video speeds up or slow down.

If you feel satisfied after the adjustments, you can click OK to save the settings. Otherwise, you can click on the Reset button to restore the previous settings.

14   AI Editing

14.1 AI Portrait

The AI Portrait is a creative AI effect in Wondershare Filmora. It can remove video backgrounds easily without using a Green Screen or Chroma Key, and allows you to add borders, glitch effects, pixelated, noise, or segmentation video effects.

> **Note:**
> The AI Portrait add-on can be added to Wondershare Filmora for an additional

payment (subscription). A Filmora license is not included with your purchase of this Add-on.

The AI Portrait Add-on works best for real and single subjects facing the camera straight on. Multi-person portraits, fast movements, and backlights will influence the result of the AI Portrait. Follow these steps to remove the video background with the AI Portrait Add-on:

Add AI Portrait Effects

Import the video footage to the timeline, and then go to Effects>AI Portrait on the top toolbar. You will see all the 21 AI Portrait effects here.
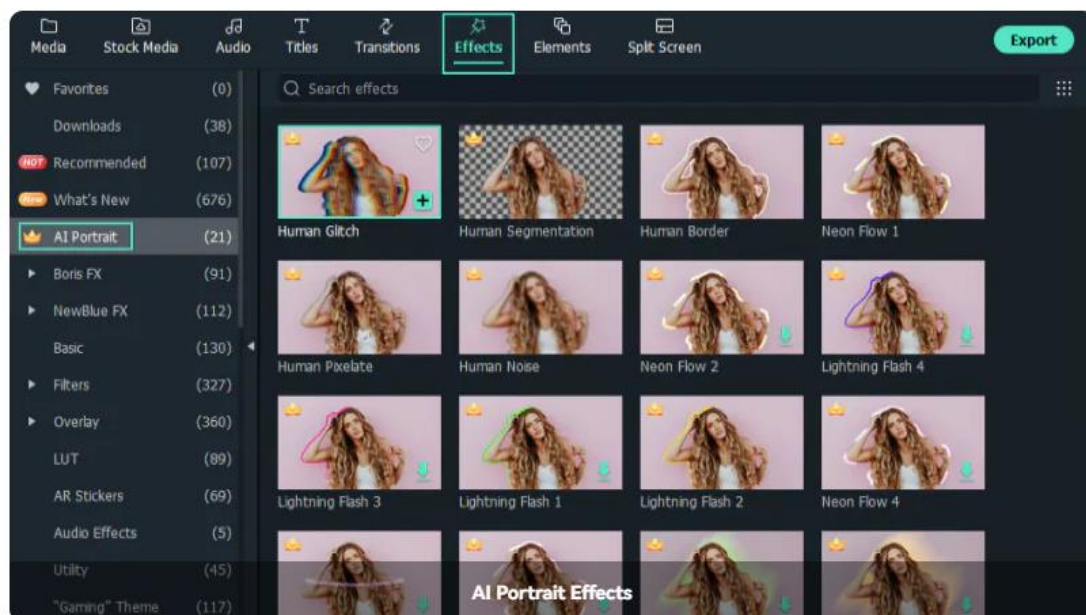

Click the AI Portrait thumbnail and check it in the preview window. To add the AI Portrait effects, drag the AI Portrait effect to the timeline or click the Add icon on the AI Portrait thumbnail. A window will pop up to remind you to purchase the AI Effect. You can either ignore it to try it or purchase it directly.
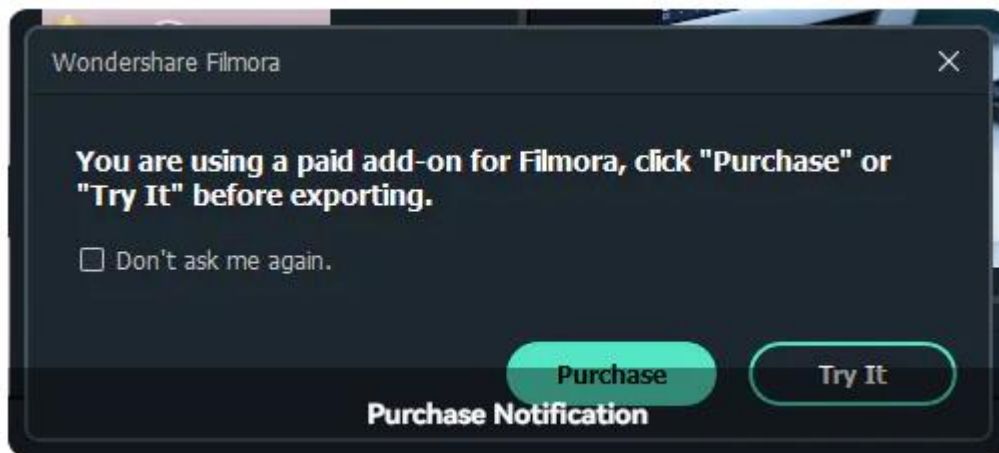
Preview Effects

Elongate or shorten the AI Portrait effect to fit the video clip length. Play the video and check the results. Add multiple AI Portrait effects to the clip by dragging and dropping them to the timeline.
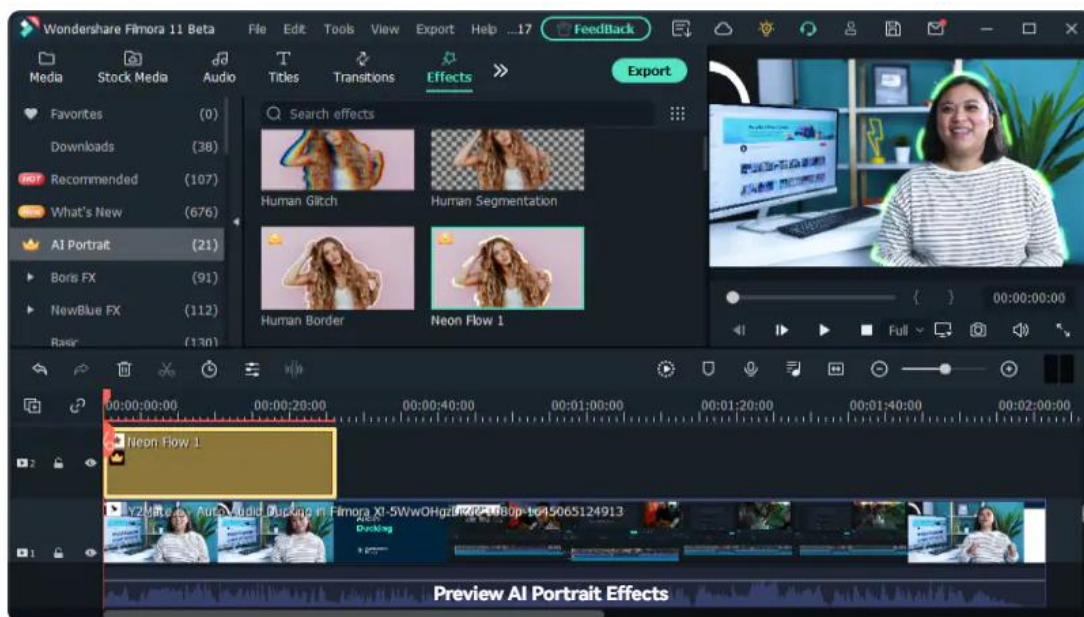
Adjust AI Portrait Effects

Adjust the settings of the AI Portrait effect to get the best results. Different AI Portraits have different settings. Double click the added AI Portrait effect in the timeline and scroll down to Video Effects, check the settings of the portrait effect that you can change. Let's take Human Noise for example:
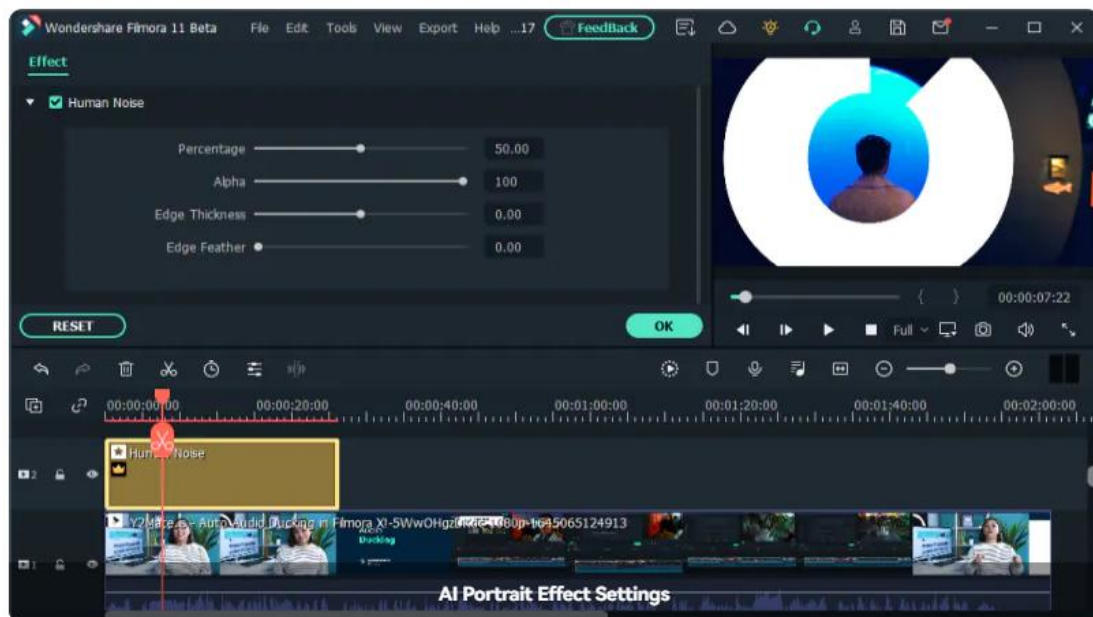
Percentage: Indicates the amount of noise of the portrait effect in the clip. The range is 0% (no effect) to 100% (the portrait may not be recognizable).

Alpha: Defines transparency areas in the portrait effect. 0 means invisible (no effect), and 100% means full effect.

Edge Thickness: Indicates the width of the edge. Lower value means smaller width, and larger value means wider width.

Edge Feather: Indicates the blur range of the portrait effect edges. The greater the feathering value, the hazier the range.

If you are not satisfied with your settings, you can click on the Restore button next to the value boxes.
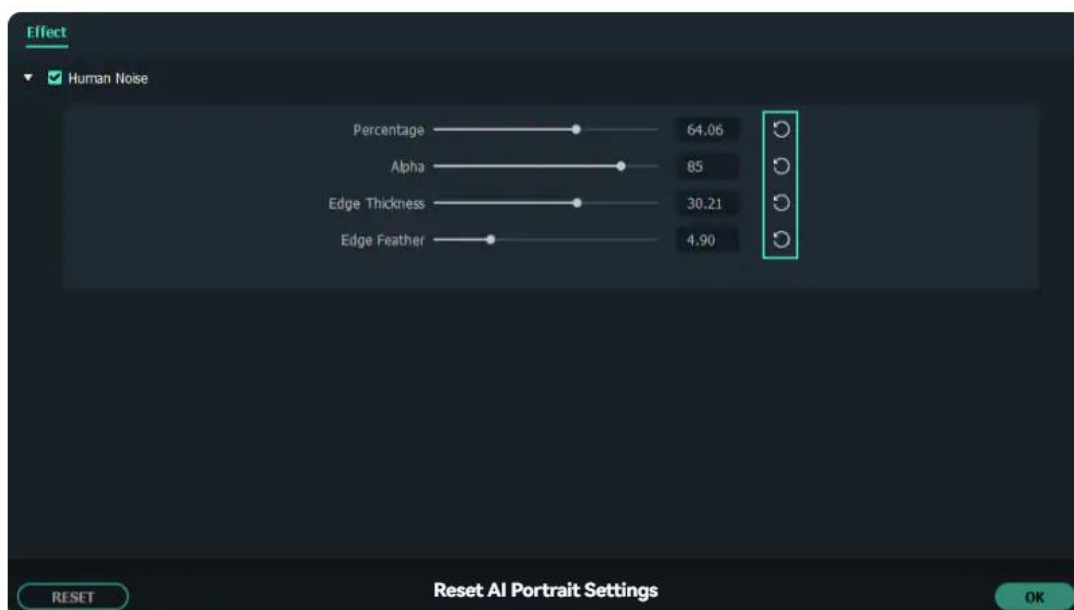
Delete AI Portrait Effects

To delete the AI Portrait Effects, you have three ways:

- Uncheck the effect option under Video Effects, and the portrait effect will be disabled automatically.
- Select the unwanted Portrait Effects and tab the Delete To delete multiple Effects, click on Ctrl to select several Effects at one time, and then click Delete.
- Right-click on the AI Portrait effect, and then select Effect>Delete Effect.

Delete AI Portrait Effects
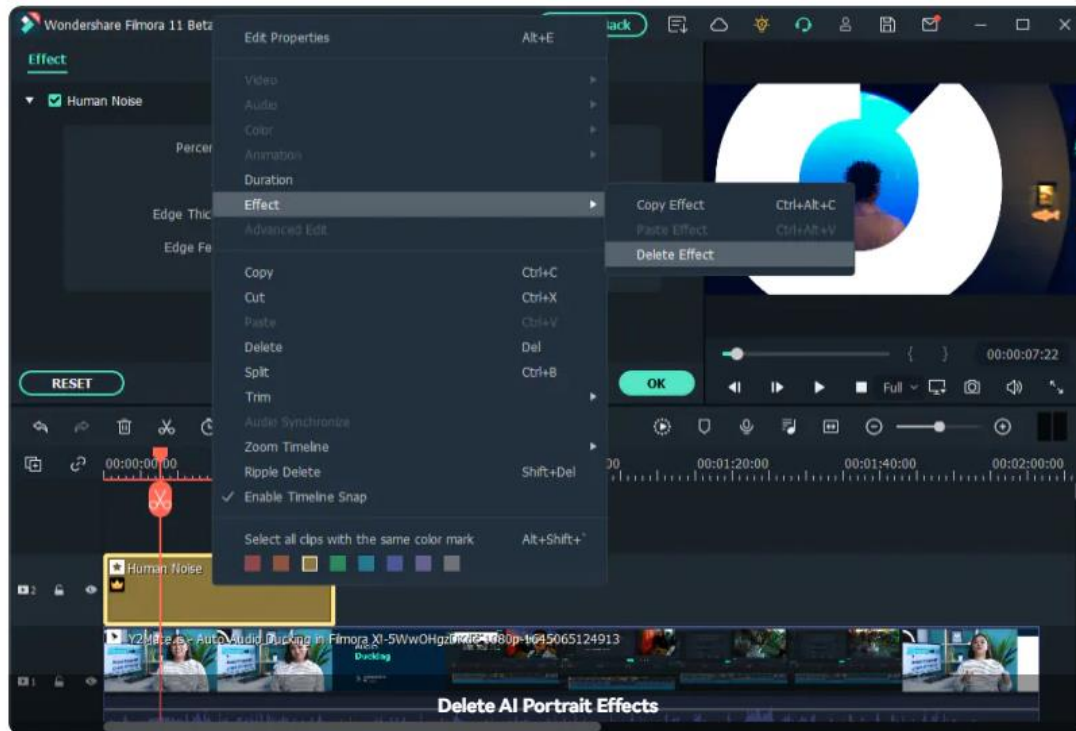
14.2 Auto Reframe

Powered by AI technology, Auto Reframe automatically detects the focal point of your video and crops it, always keeping it in the frame. This way the main action or object of your video never goes out of sight.

You can opt to manually change the focal point of your video or choose an aspect ratio that fits your preference, depending on the social platform where you wish to upload the video. We will show you how to use the Auto Reframe option in Filmora and manually adjust the video as you desire.

Open Filmora and Select Auto Reframe

There are 3 ways to open the Auto Reframe feature in Filmora. You can choose to access it any way you prefer.

1 Once you open Filmora, the main interface will show the Auto Reframe option on the right side. Click to directly open the reframing feature.
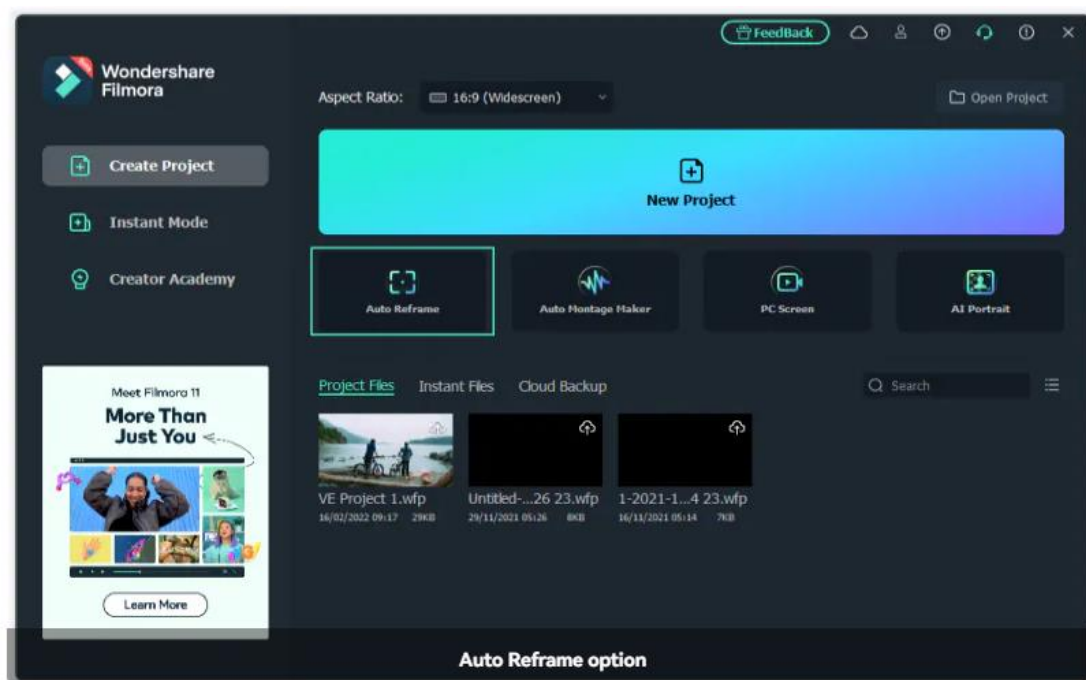
2 Import your media by clicking on File > Import MediaFiles and selecting the file. After your video is imported, right–click on it to select the Auto Reframe.
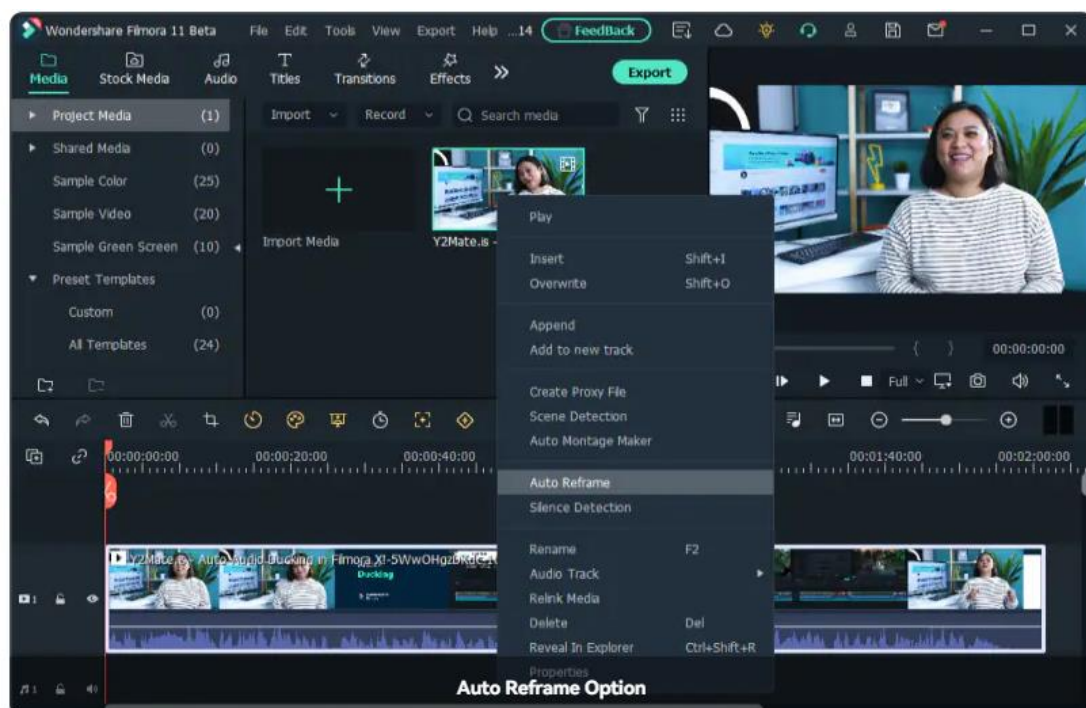

3 Another option is to click on Toolson the top menu bar and click on Auto Reframe.
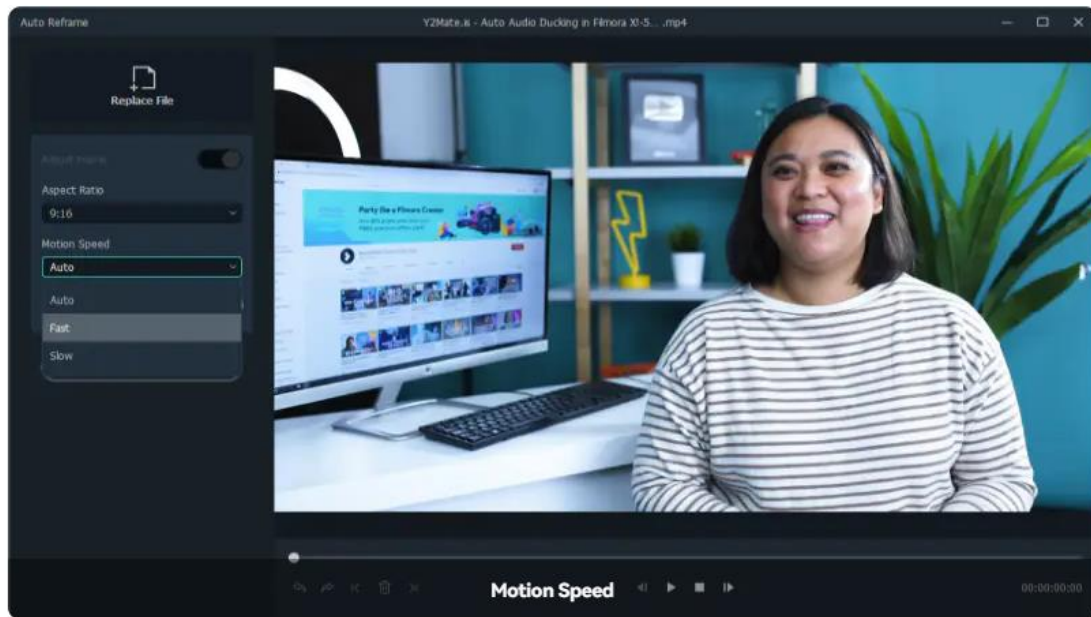
Auto Reframe Option
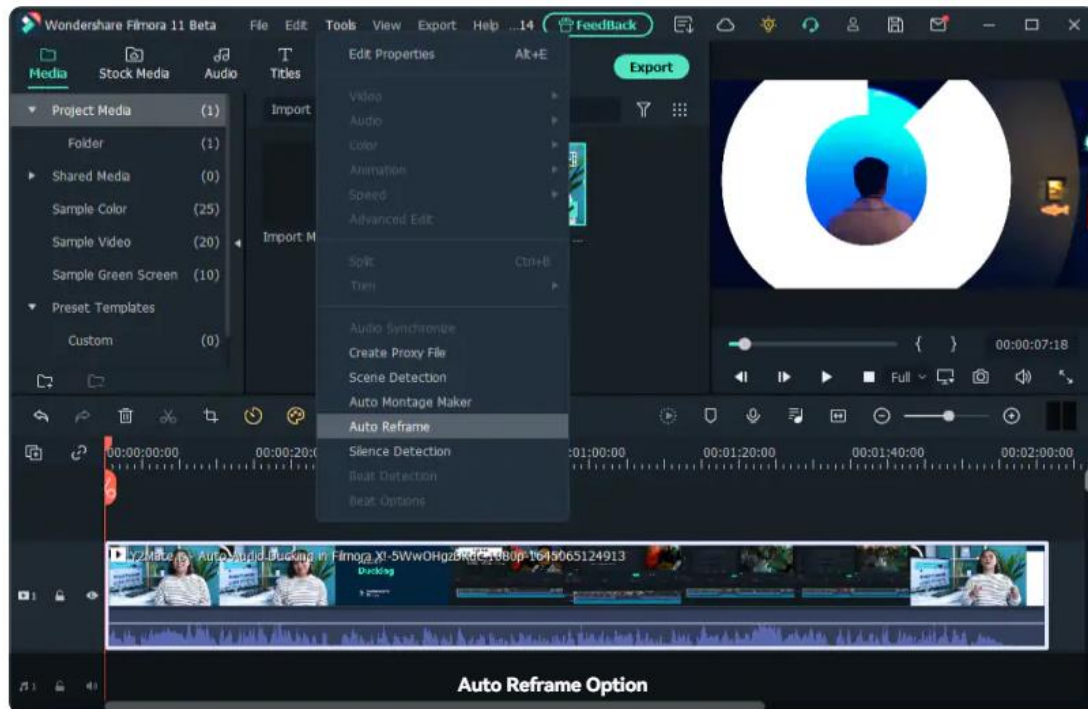
Adjust the Aspect Ratio and Motion Speed

Once you have selected the Auto Reframe option, a separate dialogue box will open. If you haven't imported your media, click on Import Media and select a single video to import. You can change the imported video by clicking on Replace File at the top.

There are multiple aspect ratio templates available such as square (1:1), vertical (9:16), standard (4:3), widescreen (16:9), and cinema (21:9). Choose the aspect ratio depending on your preference and the platform where you will upload the video.
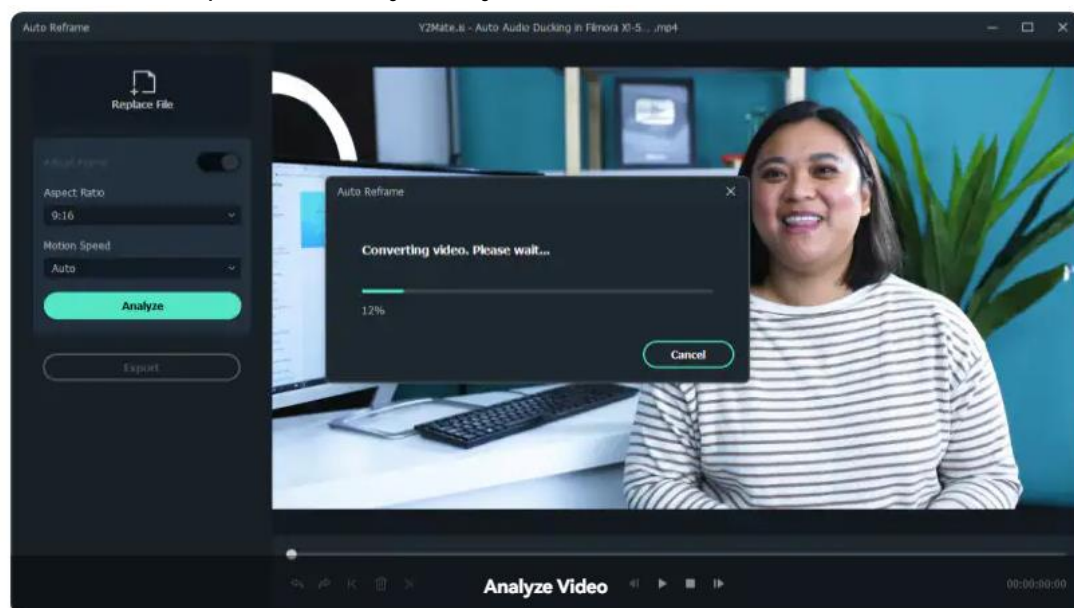

Aspect Ratio
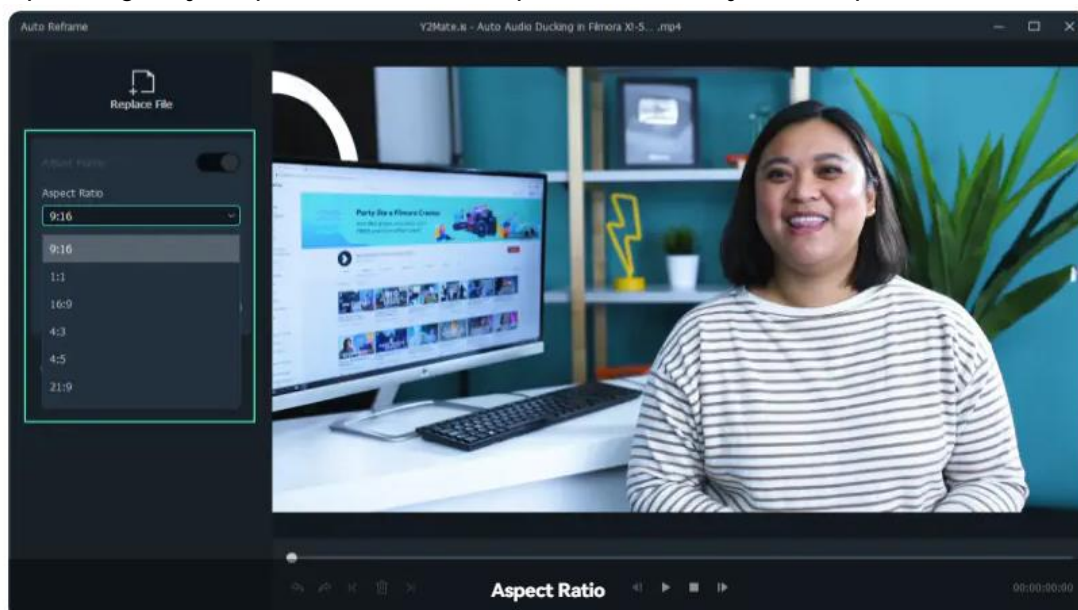
There are multiple options to adjust the speed of your video: keep it at Auto or make it Fast or Slow.
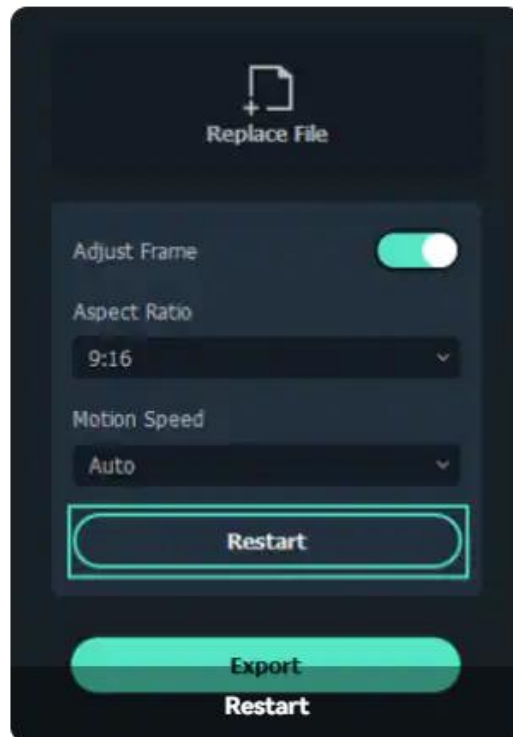
Analyze and Auto Reframe the Video

Once you adjust the settings, tap on the Analysis option. Filmora will take a few seconds to complete the analysis of your video.


Then the video will be instantly and automatically reframed to your specified aspect ratio and speed. You can change or try out different aspect ratios and speed options by clicking the Restart button.

Preview the Reframed Video

After adjusting the settings and reframing, you can view the preview of your final video. In case the video needs more work, you can also play and pause it at the point you want to adjust the frame and move the framing box to the position you desire. Do the same for the whole video just by dragging the frame window with your mouse. You can use tools such as Undo, Redo, Next Edit Point, and Previous Edit Point at the bottom menu.
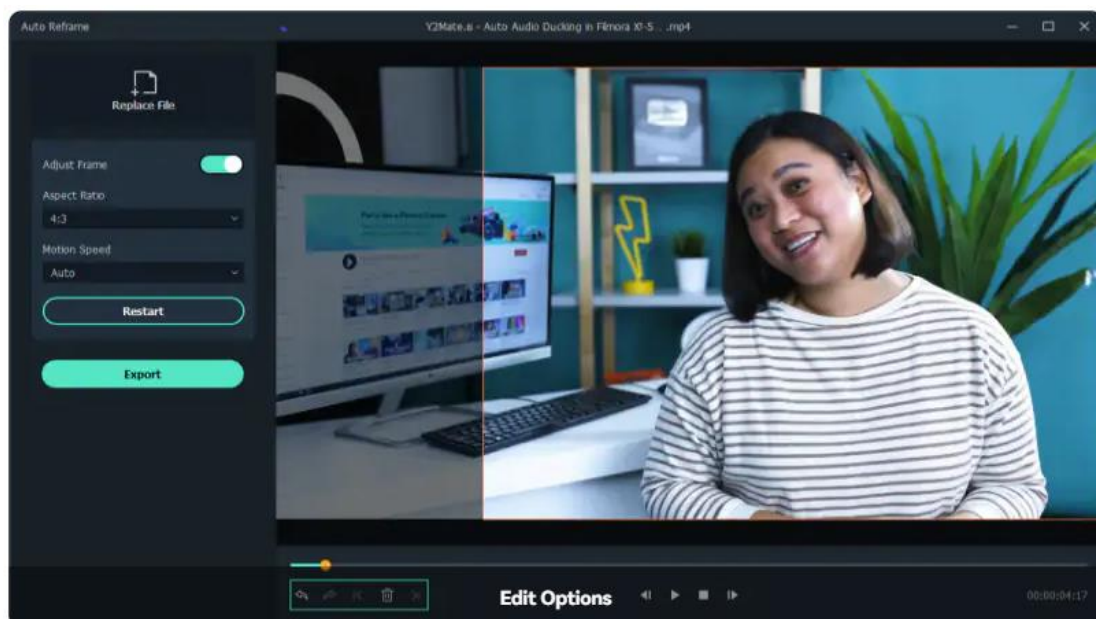
Export to MP4

Finally, when you are satisfied with the reframed video, you can click on the Export tab, name your file and select the destination folder. Currently, only MP4 files are supported.
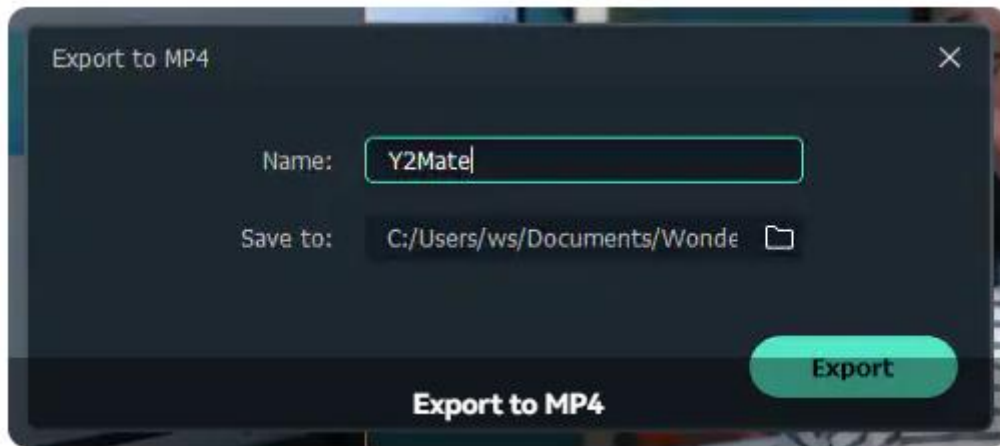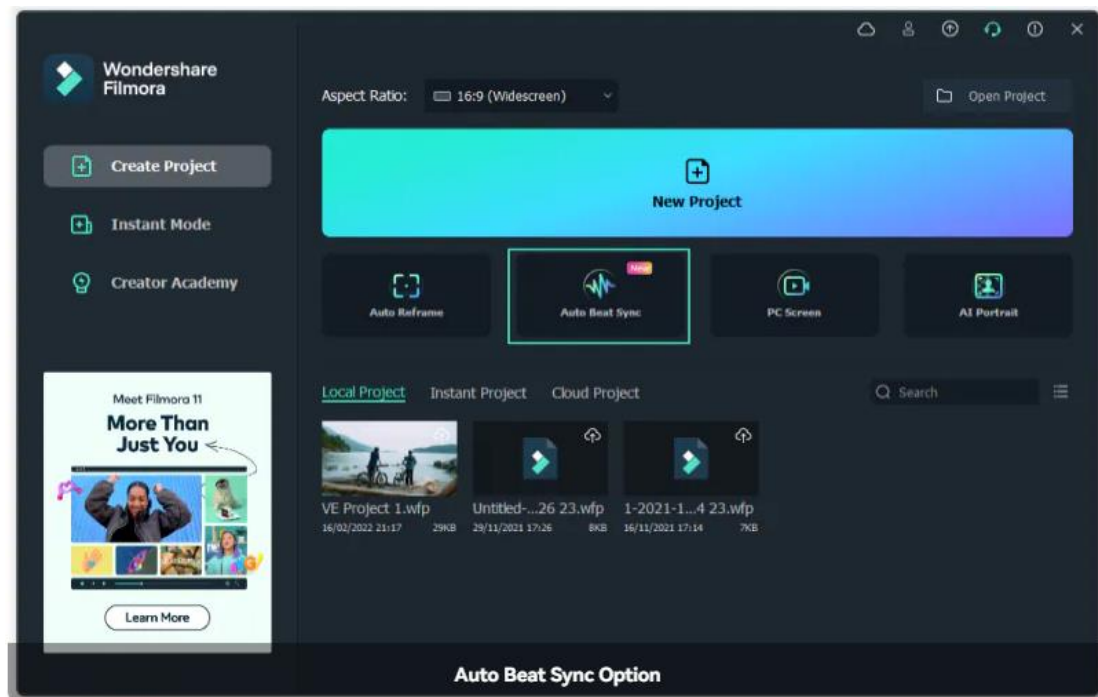

14.3 Auto Beat Sync

Auto Beat Sync will take small parts from the same video or different videos, and then combine them into one personalized and stylized video.
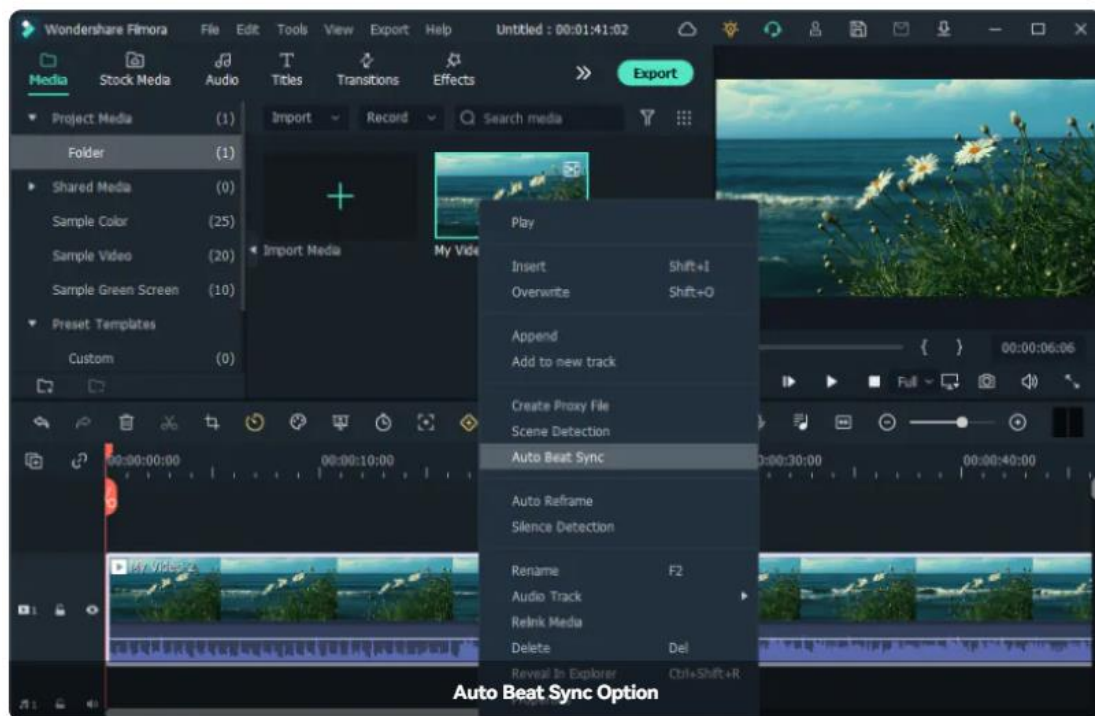
Open Auto Beat Sync

To open Auto Beat Sync panel, you have the following three ways:

1 OpenFilmora video editing software, you can easily see Auto Beat Sync option in the startup window.

Auto Beat Sync Option

2 If you have already been in the editing interface, you can also access the function by right-clicking the files imported in the Project Media, then selecting Auto Beat Sync.
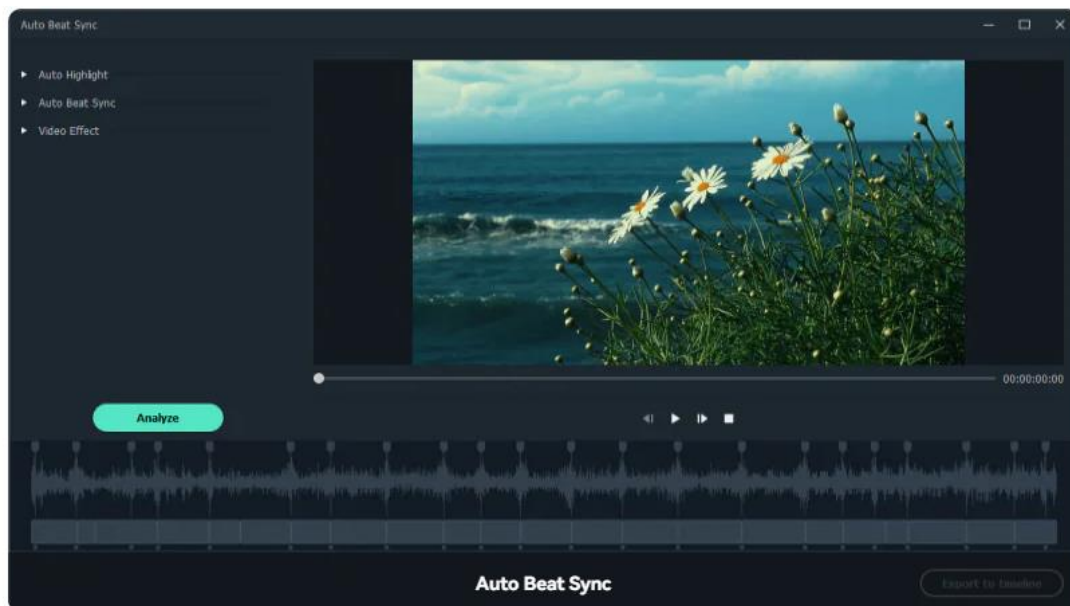

Auto Beat Sync Option

3 After selecting the imported files in the Project Media, you can also find Auto Beat Sync by clicking Tools>Auto Beat Syncin the navigation bar.
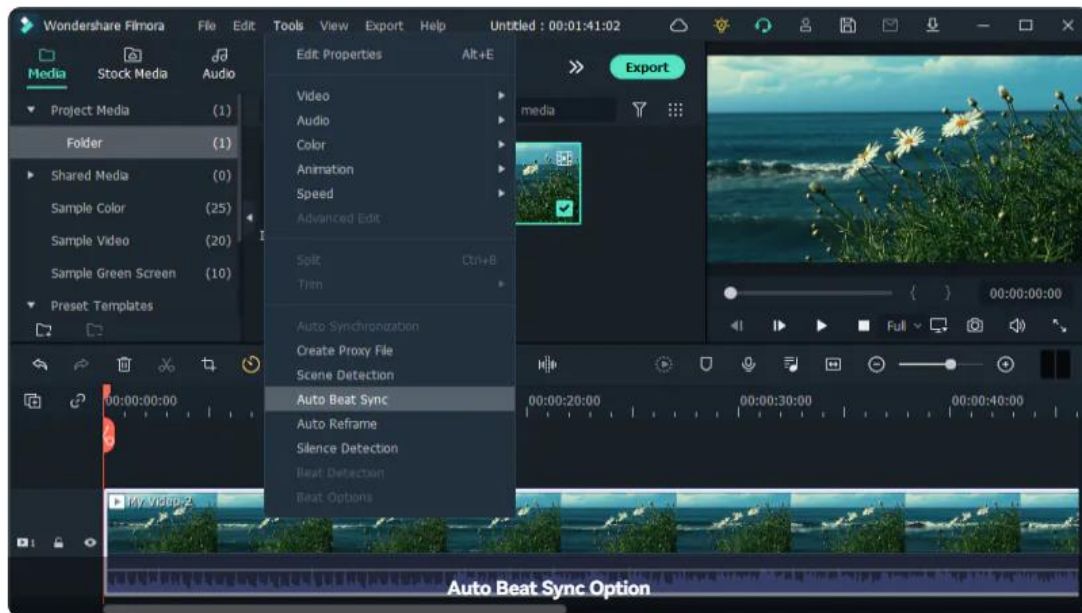
Adjust the Settings

From the pop-up Auto Montage Panel, you can clearly see three main adjustable parameters: Auto Highlight, Beat Sync, and Video Effect.


Auto Highlight

In the Auto Highlight segment, you can choose to add more video or audio clips. You can also adjust the order or delete the imported video or audio clips. At the same time, you can adjust the length of the generated video or audio clip.

> **Note:**
> The maximum duration of final video should be shorter than BGM and longer
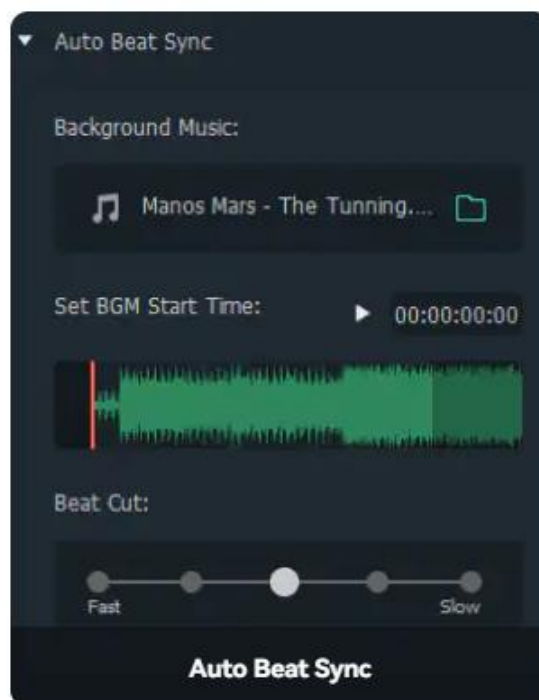
than 1/3 of total duration of all imported clips combined.
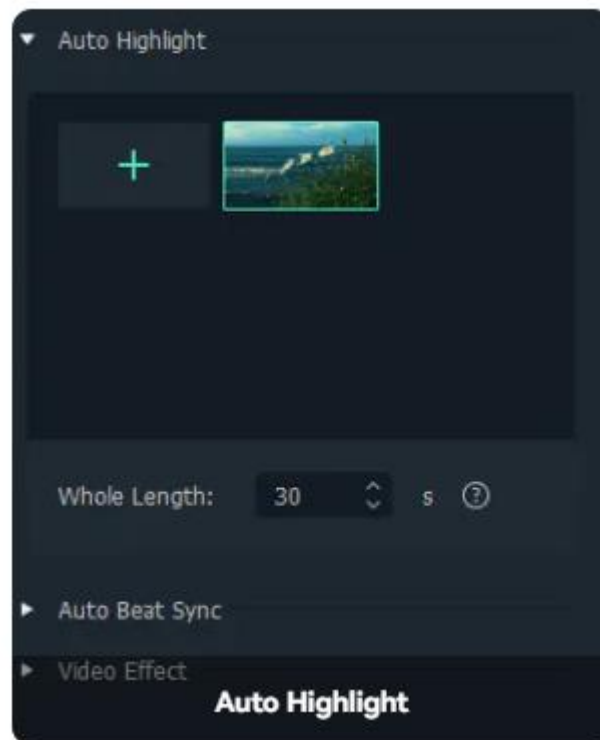
Auto Beat Sync

In the Auto Beat Sync interface, you can import background music, and set BGM start time. Surely, you can preview the background music to choose the start time. In addition, you can also choose the beat cut speed whether it is fast or slow.

## Video Effect

In the Video Effect segment, you can set the appearing frequency of RGB, Glow, Video Wall, Blur video effects.
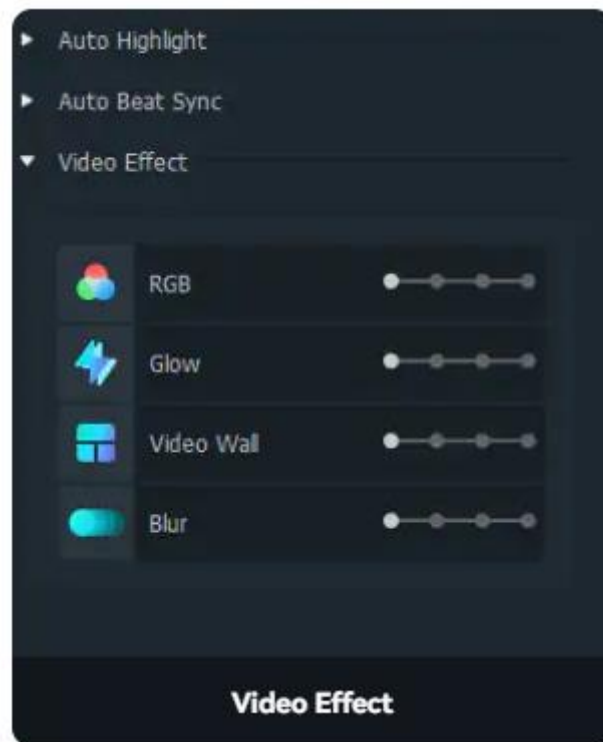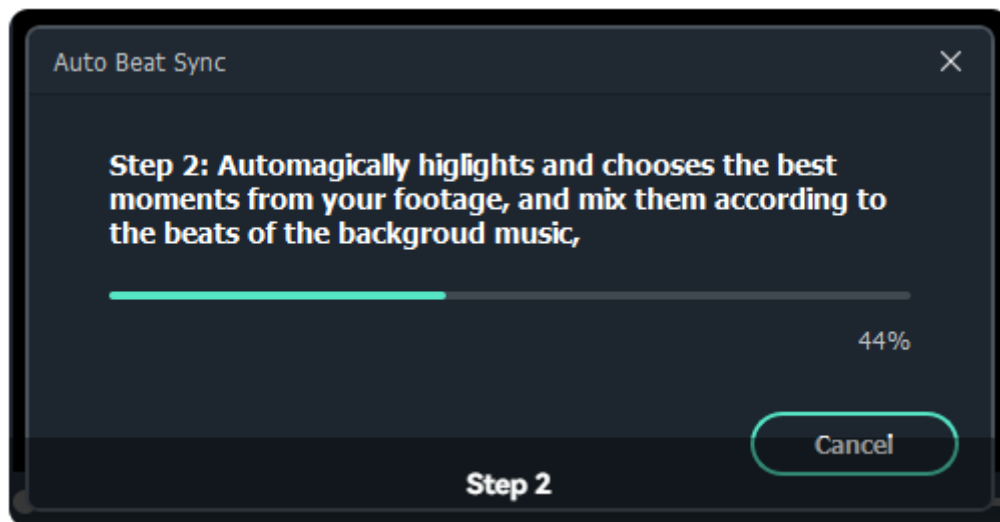

Analyze

Once you finish all the settings, you can click on Analyze button to initiate the automatic analyzing process. Usually, it will take two steps to finish the analysis process. Please wait patiently.

Step 1. Analyze the beats and rhythm of the background music.
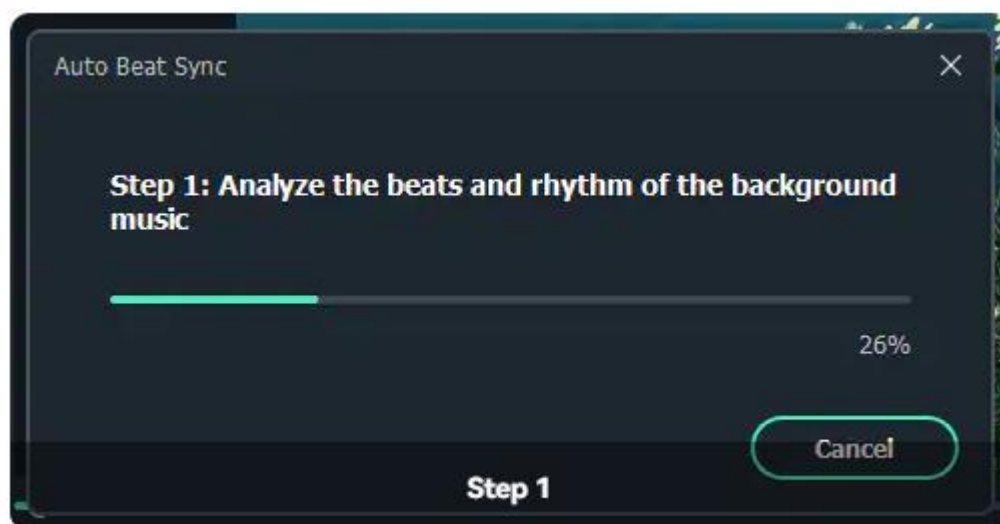
Step 2. Automatically highlights and chooses the best moments from the footage and mix them according to the beats of the background music.

Preview the Generated Video

You can preview the video by clicking on the Blank button. Or you can click on the Play icon. If you are satisfied with the result, you can Export it to Timeline. Otherwise, you can adjust the settings again and Re-analyze.
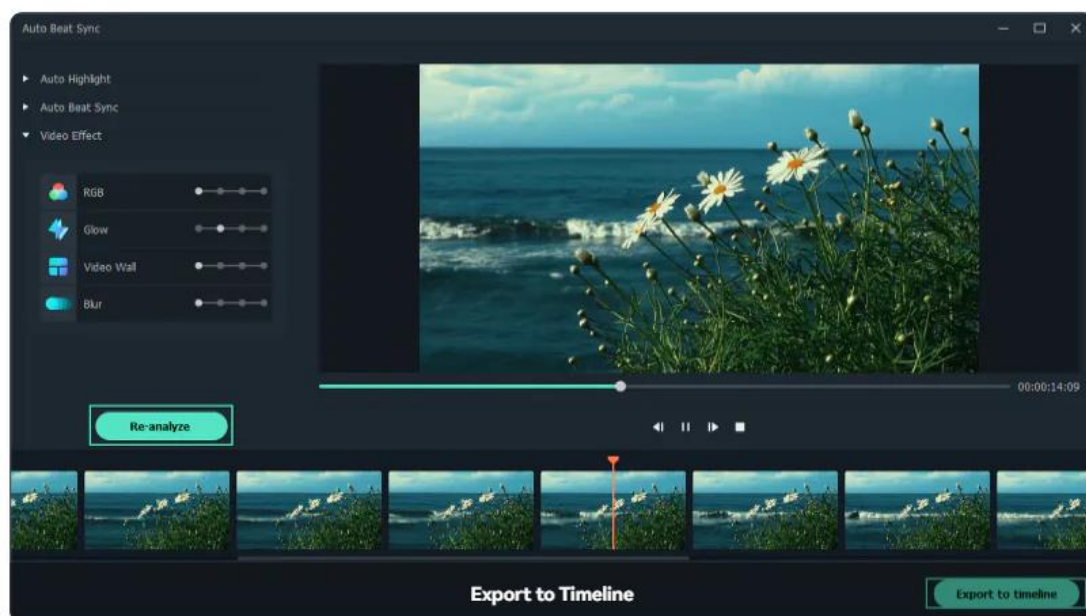
14.4 Auto Highlight

Auto Highlight is used to automatically extract the highlights from a clip. This will save your time when trimming your video and get the best parts from it more easily.

Find Auto Highlight Feature

Go to Export>Local>MP4, you will see the Auto Highlight feature.
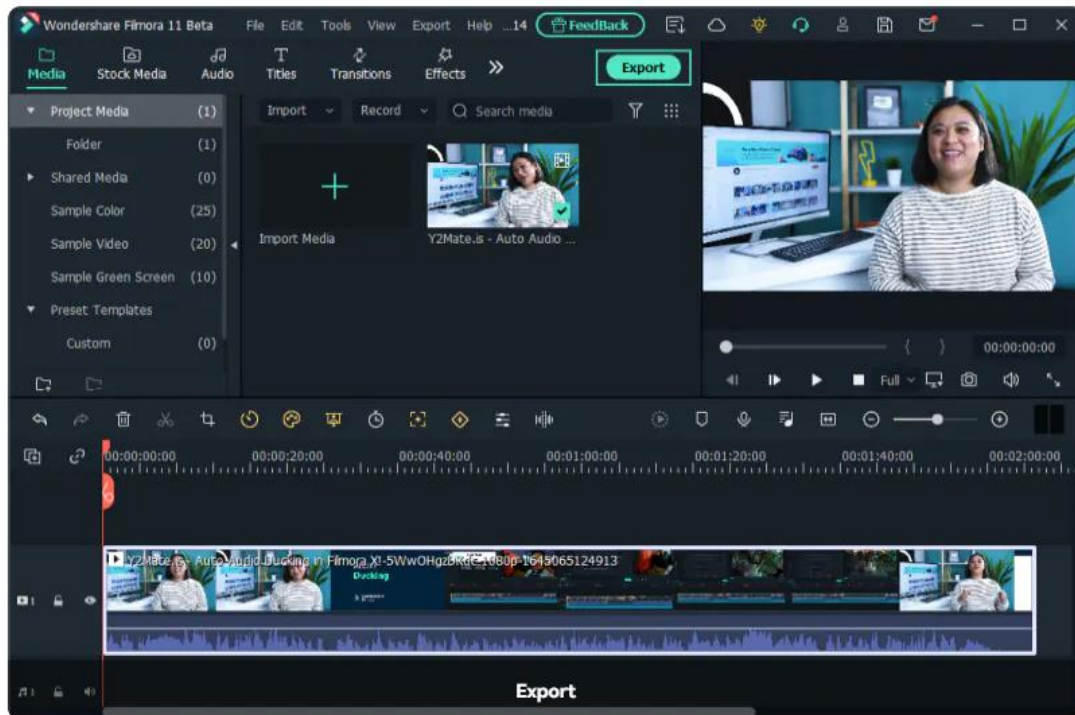
Choosethe Auto Highlight Options

In the Export to MP4 interface, you can choose to tick the Auto Highlight check box. After ticking the check box, you choose to export with Auto, 15s Tiktok, 60s Youtube Shorts option. Or you can Custom by yourself.

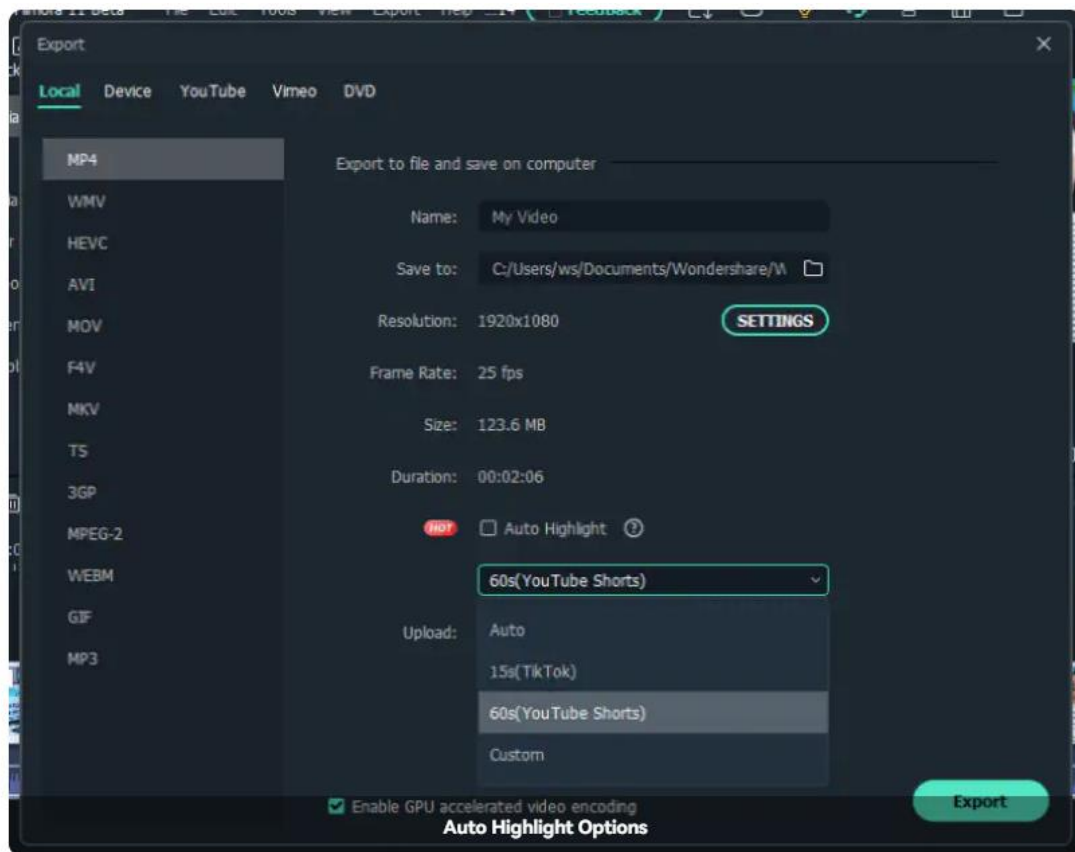## 14.5 AR Stickers

Filmora comes with a library of AR stickers that can be used to enhance emotions, emphasize reactions, and add personality to your video. The face-tracking AR stickers are image-based effects, with cute and fun elements such as cats, bears, pandas, koalas, bunnies, glasses, and much more.

For example, you can apply the Heart Eyes AR Sticker and it will be added to the person's eye area automatically and move with them.
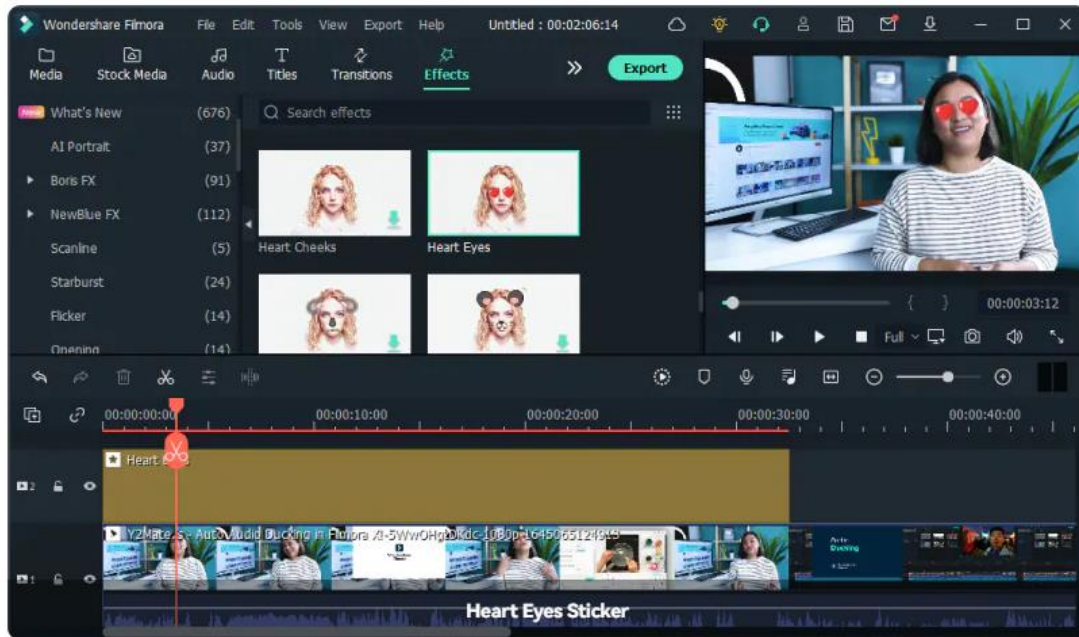
> **Note:**
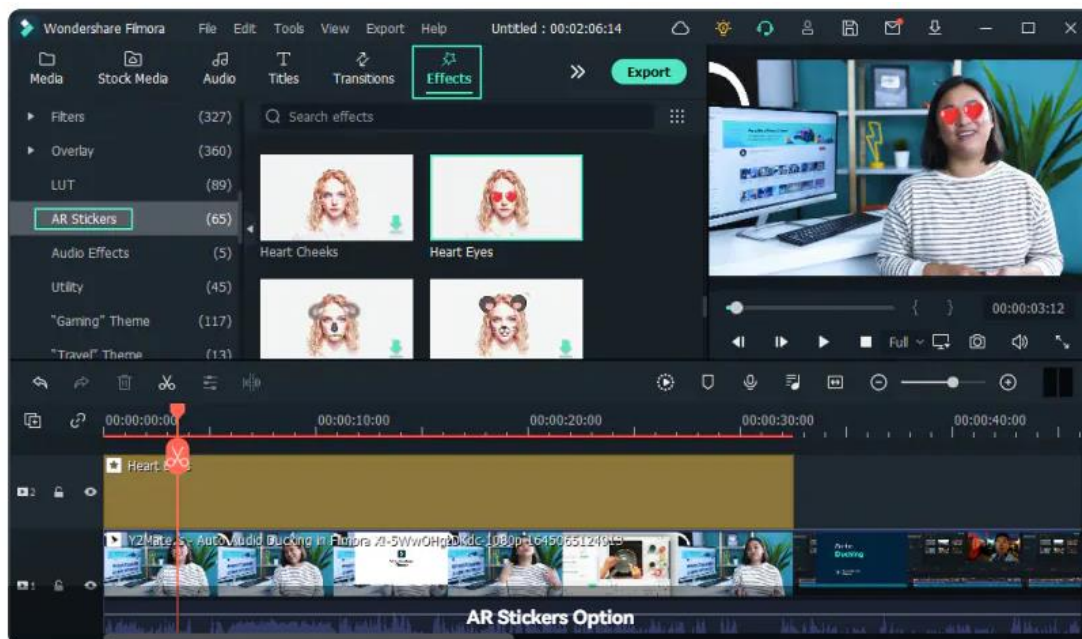>
> AR stickers work best when applied to a person facing the camera. If there is more than one person in the frame, the AR sticker will be applied to whichever face it detects.

Open AR Sticker Window

You can add AR stickers to the video the same way as other filters. Click the selected video clip in the timeline and go to the Effects tab and select AR Stickers.

Preview and Add the AR Sticker Effects

Double click the AR Sticker to preview it. Then you can drag it to the video track to add the sticker to the whole selected clip. The effect is successfully added when there is an AR Sticker icon appearing on the left side of the video.
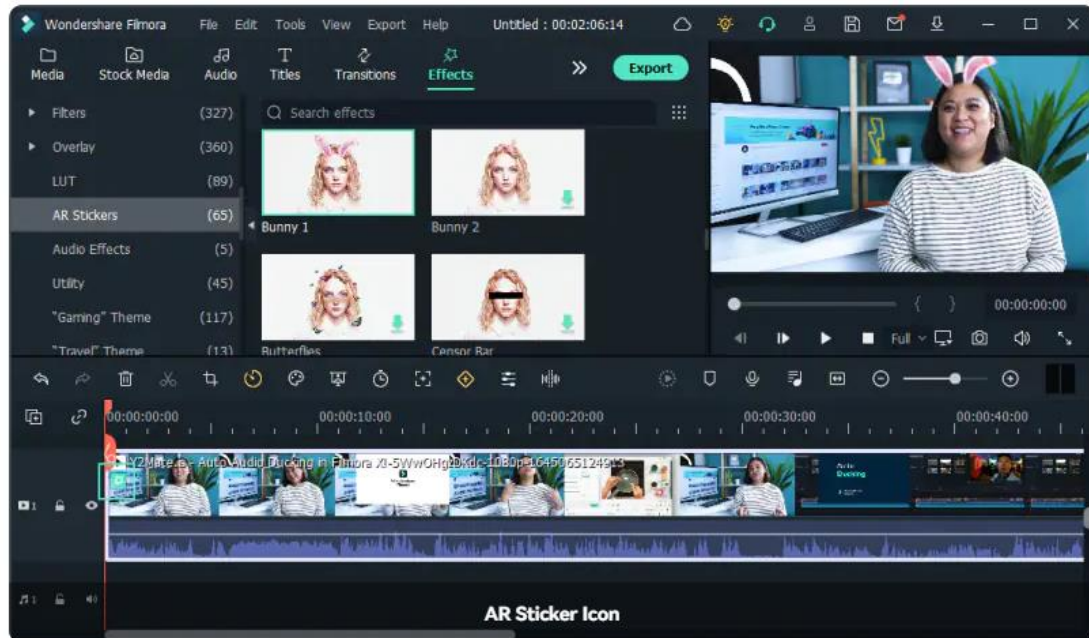
If you only want to add the AR Sticker effect to a small part, you can drag it to the track above the video in the timeline. After that, you can drag the edge of the effects to adjust the duration.

Now, you can play the video and you will see the AR sticker effect. You can repeat the steps above to add multiple AR stickers to your video.

Remove AR Sticker

To remove the applied AR stickers, double click the selected clip, go to the Video>Effect. You can both untick the check box or close the AR Sticker effect.
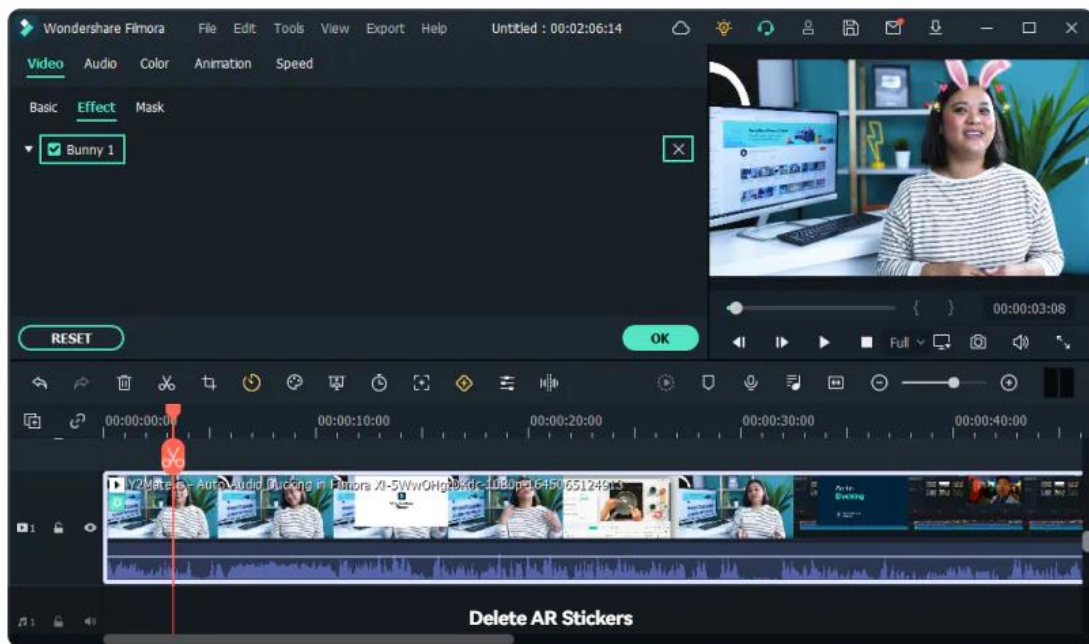
Note:

If you right-click the selected video clip and click Effect>Delete Effect, all applied AR stickers and other filters or overlays will be removed from it altogether.
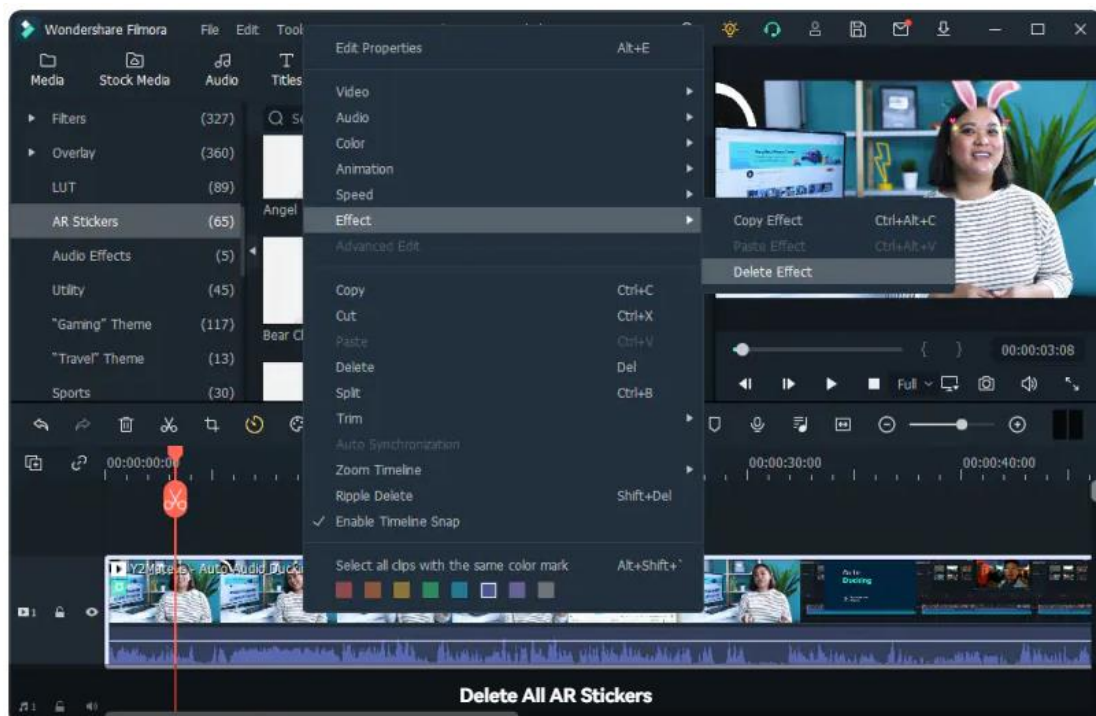
14.6 Silence Detection

Silence Detection

Silence Detection can scan and remove silent pauses from your videos automatically, saving you editing time and keeping your viewers engaged.

Apply Silence Detection in Filmora

Silence Detection only works with clips that have audio. To automatically detect and delete silent pauses in a clip you need to:

1. Find the Silence Detection Feature

- Tap on the Silence Detection button on the toolbar.
- Right-click on the video in the Timeline and select the Audio> Silence Detection.
- Select the video clip or audio clip and choose Tools>Audio> Silence Detection in the top navigation bar.

After tapping the Silence Detection option, the window of Silence Detection will pop up.

Silence Detection Button

2. Adjust the Parameters of the Silence Detection

In the Silence Detection window, you can adjust three parameters for Silence Detection.

Silence Detection Settings

- **Volume Threshold**: Setting the volume threshold helps the algorithm to know your silence threshold value. The default volume threshold is 25%. It means if the volume threshold value of segments is under 25%, the segments will automatically be considered silent.
- **Minimum Duration**: Setting minimum duration helps Filmora to know the silence duration and low-sounding parts. The default minimum duration is 0.5s. It means the silence should last over 0.5 seconds to be defined as silence.
- **Softening Buffer**: Softening buffer option provides buffering time for the start and end of audible segments. The default softening buffer is 0.1s. It means that the audible segments can get 0.1 second buffering time at the start and end separately.

3. Start the Automatic Silence Detection Process

After setting the detection parameters, click Start to initiate the automatic silence detection sequence. You will see two different things in the timeline:
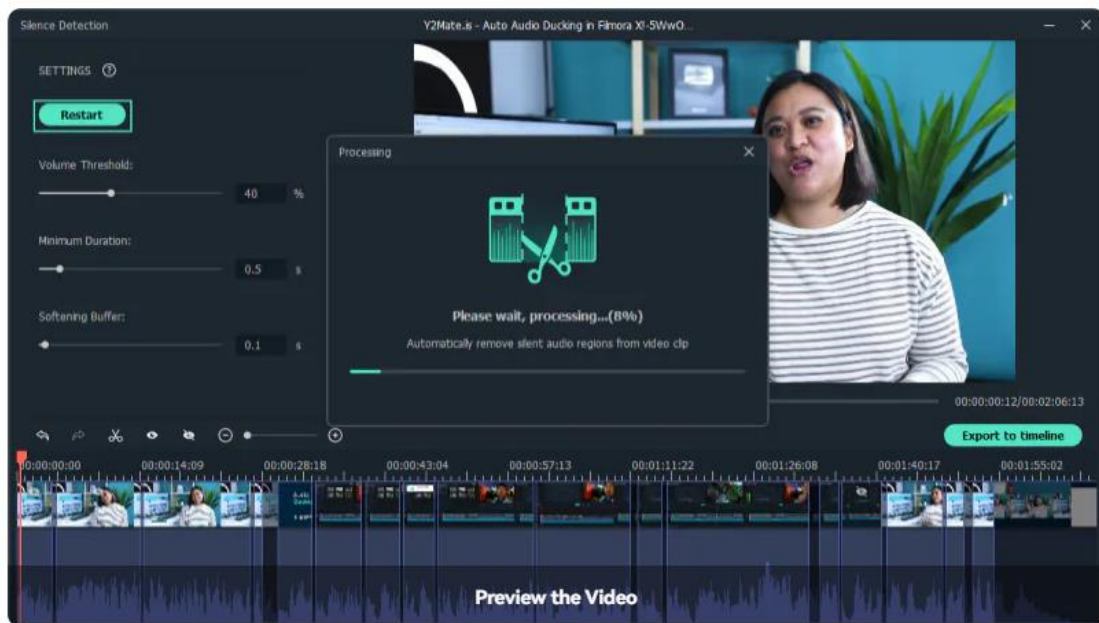
- The black parts show the silent segments.
- The highlight parts show the audible segments.


Silent and Audible Segments

4. Preview the Video

You can play the video to check whether all silent parts are removed perfectly or not. If you are not satisfied with the result, you can adjust the three audio

parameters above. Then click Restart to delete the silent parts.

5. Export to Timeline

Once your clip is ready, you can export it to Filmora Timeline to continue editing.
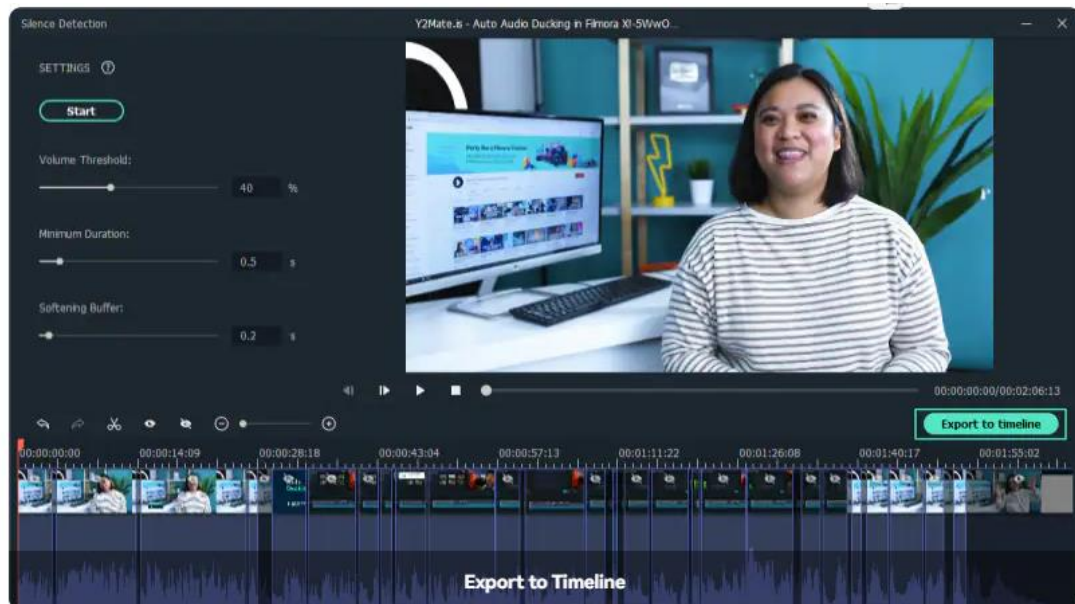
Turn off Silence Detection Function

You can also abandon the Silence Detection process by closing the window.

> **Note:**
>
> Once you exit the Silence Detection window, the changes cannot be saved.

14.7 Auto Normalization

The new Auto Normalization feature analyzes the volume of all selected clips and adjusts the volume to the standard loudness level of European audio programs at 23.0LUFS (deviation range: ±1LU) automatically.
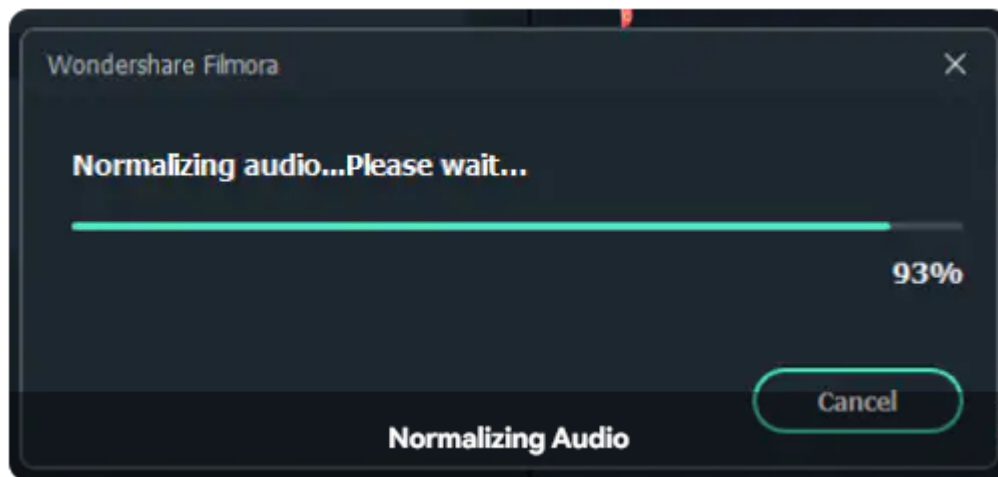
Goto Auto Normalization Option

- Double click on the video or audio clips you want to normalize in the timeline. In the Audio editing panel, you will see the Auto Normalization option.

- Right-click on the video or audio clip, choose Audio>Adjust Audio to open the Audio editing panel.

- Select the video or audio clip, tab on Tools>Audio>Adjust Audio to access the Audio editing panel.
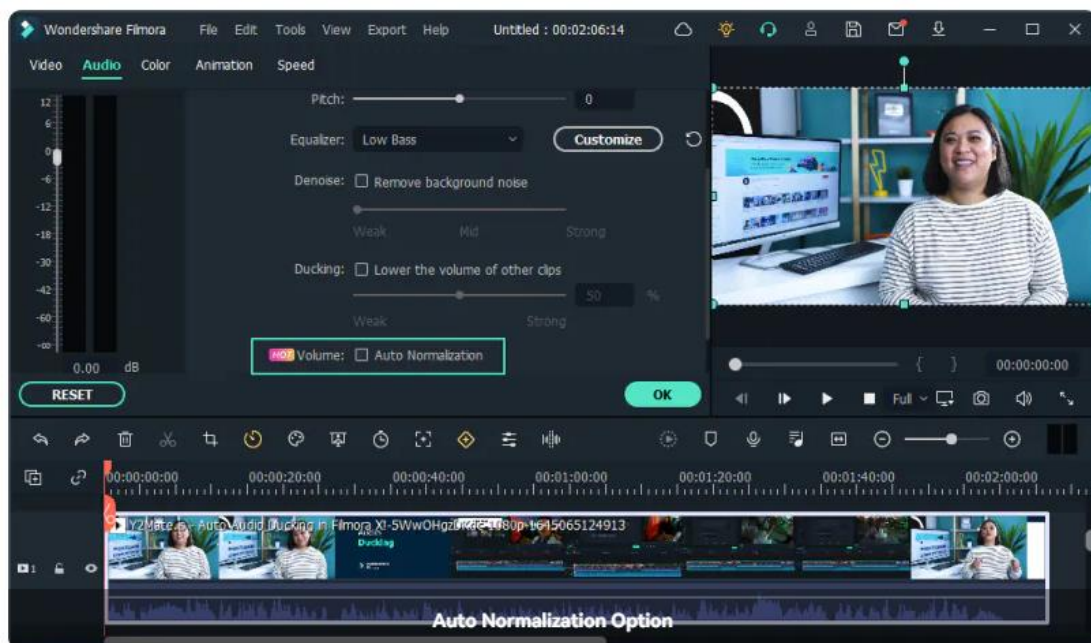
After finding the Auto Normalization option, you can tick the checkbox to enable it. Filmora will analyze and normalize the volume of the clip(s) automatically.

Reset Auto Normalization

If you are not satisfied with the normalized volume, you can check the Auto Normalization again to reset. Or you can click on the recheck icon.
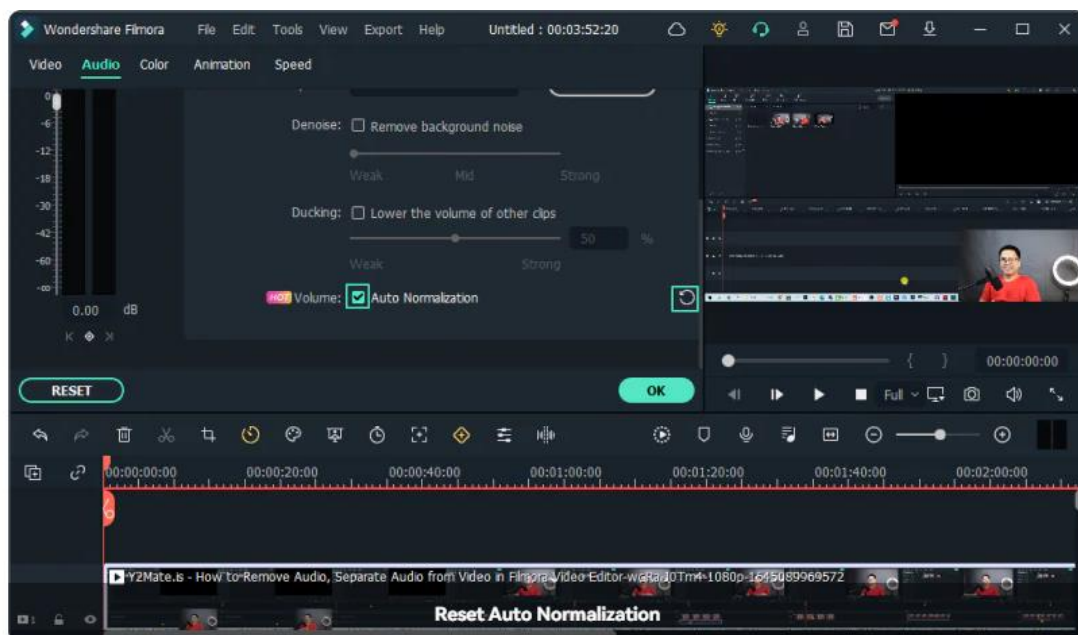
14.8 Auto Audio Ducking

Audio ducking

Audio Ducking means to decrease the volume level of specified audio when second specified audio is present. In video editing software, audio ducking is usually used to lower background music anytime a person speaks. When the person finishes speaking, the background music raises again. This technique can be used in any scenario where you want to be heard clearly.

Duck Audio in Filmora

Locate Ducking Function in Filmora

> **Note:**
>
> In Filmora audio ducking feature, you do not lower the volume of the clips that you choose. On the contrary, the volume of the other clips is decreased. Kindly choose the one that needs to be heard clearly.

There are three methods that you can access Filmora ducking features.

- Double click the clip that you want the voice to be heard clearly.
- Right-click on video or audio clip and select Audio>Adjust Audio.
- Select the video or audio clip, then click Tools>Audio>Adjust Audio.

In the above three paths, the first one is the easiest way to duck your clips.
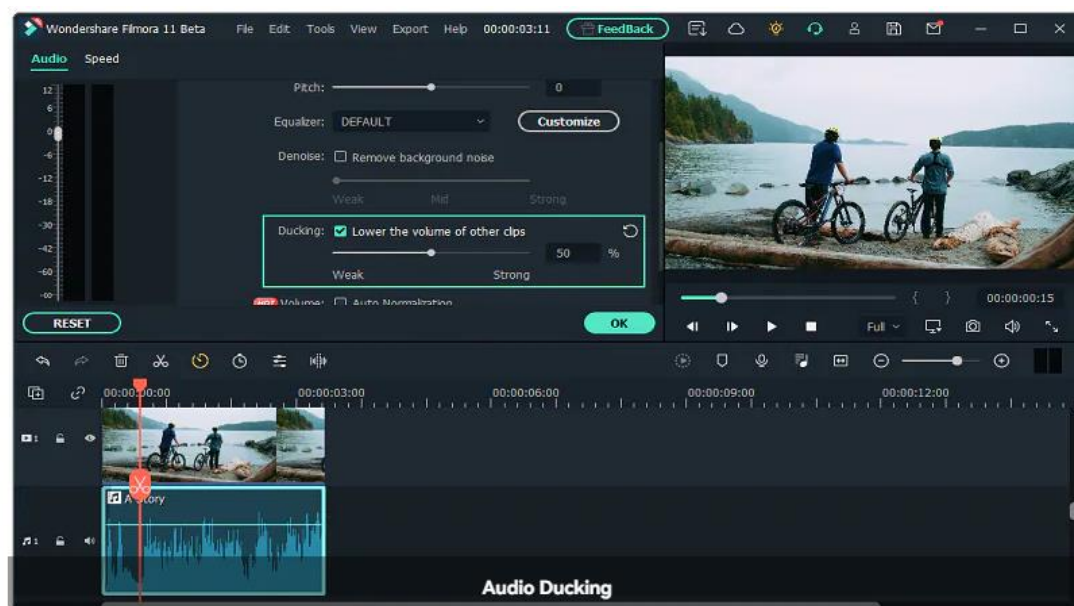
The default ducking value is 50%. You can also adjust the volume of the other clips by dragging the slider.

Cancel the Ducking Option

There are two ways to turn off the audio ducking:

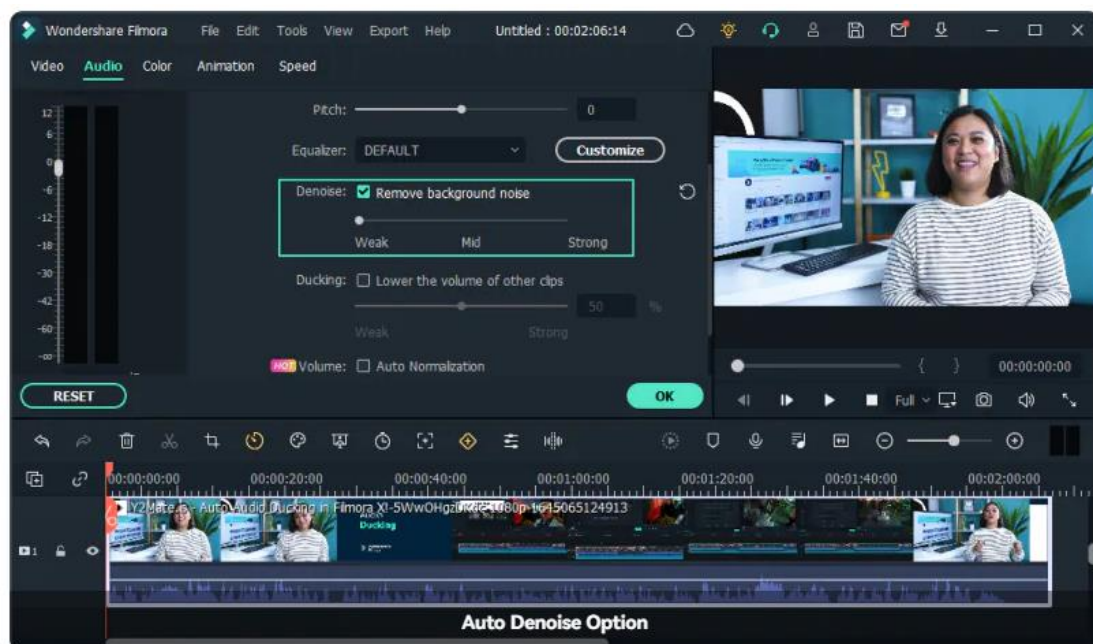● Click on the reset logo.
● Click on the check box.

14.9 Auto Denoise

Auto Denoise function helps to remove background noise from the recorded audios or videos with sound. It is an efficient and convenient tool to help you remove the noise in one click automatically. To remove unwanted background noise from your recorded audio, follow the steps below.

Apply Auto Denoise Feature

● Double click on an audio clip in the timeline panel to open the Audio adjustment window.

● Right-click on the selected audio clip, then choose Audio>Adjust Audio.

● Select the audio clip, and then tab on Tools>Audio>Adjust Audio.

Check the box next to Remove background noise. Drag the slider to the level (Weak, Mid, or Strong) of noise reduction that you need.
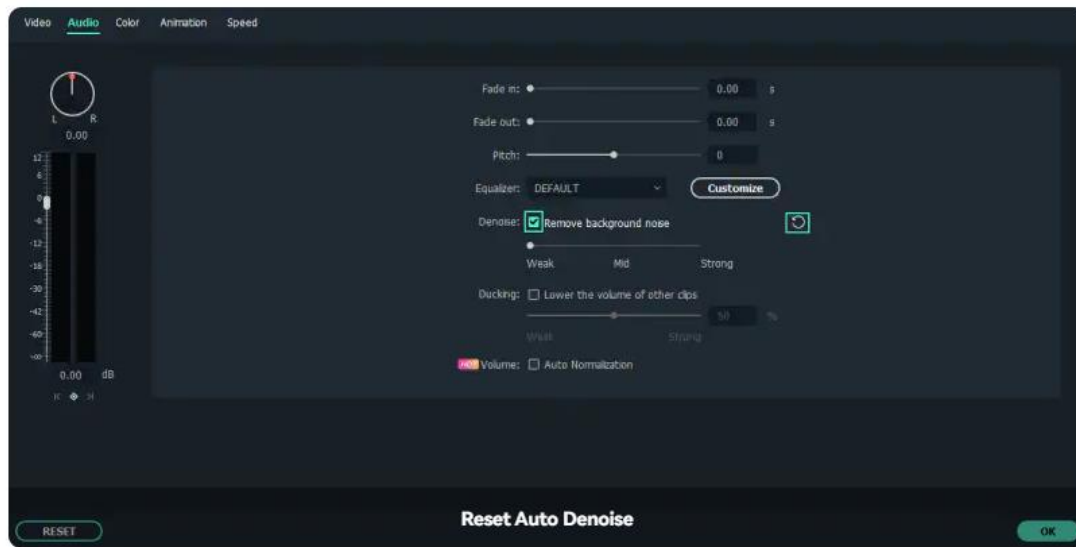
> **Note:**
>
> The types of noise you can remove using the denoise tool include wind noise, computer hums, and other consistent sounds.

Reset Auto Denoise

If you are not satisfied with the Auto Denoise option, you can uncheck the checkbox or click on the Reset icon to cancel the function.
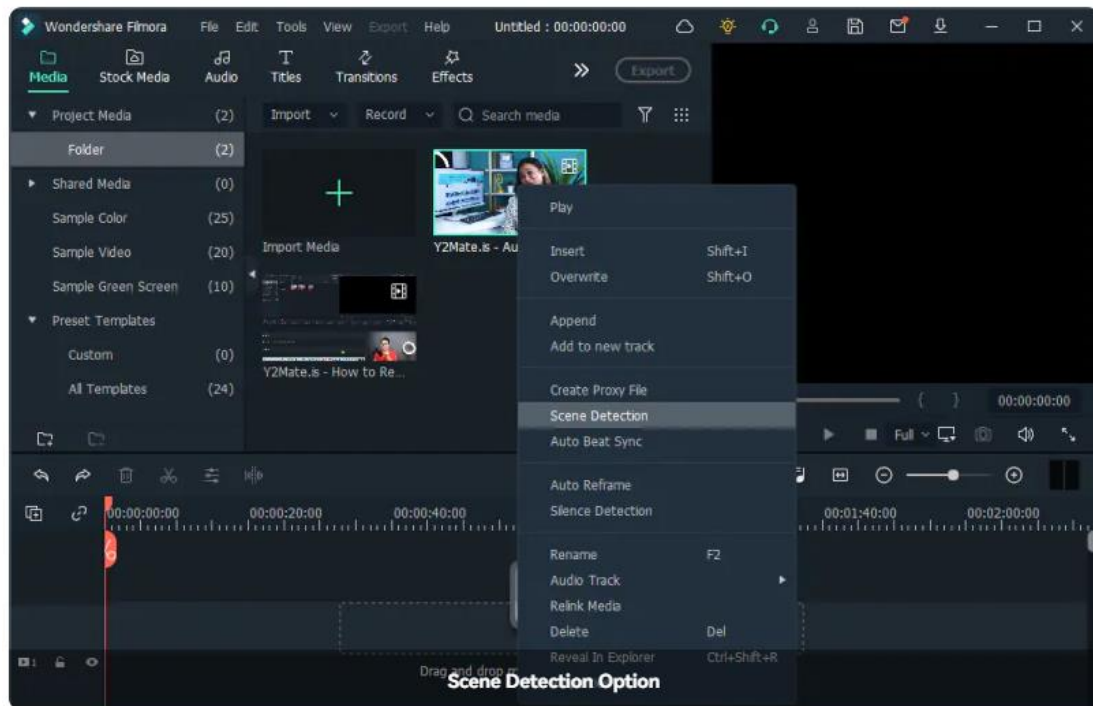

14.10　Scene Detection

Scene Detection is an advanced editing feature offered in Filmora, which can be used to automatically split a film into basic temporal segments by detecting the transitions between shots in a video. It will greatly facilitate your job if you don't want to edit your video frame by frame but would rather quickly edit some short clips in a large piece of video. The steps below will show you how to do auto scene detection with Filmora.

Open Scene Detection Window

Import media files to Filmora. You can either click the import button to bring up a pop-up window to choose files stored in your local computer, or you can just drag and drop the files to the interface.

Once the video clip is imported, right-click the imported video and select the Scene Detection option. Or select the imported video, and then go to Tools>Scene

Detection.

Then the Scene Detection panel will pop up.
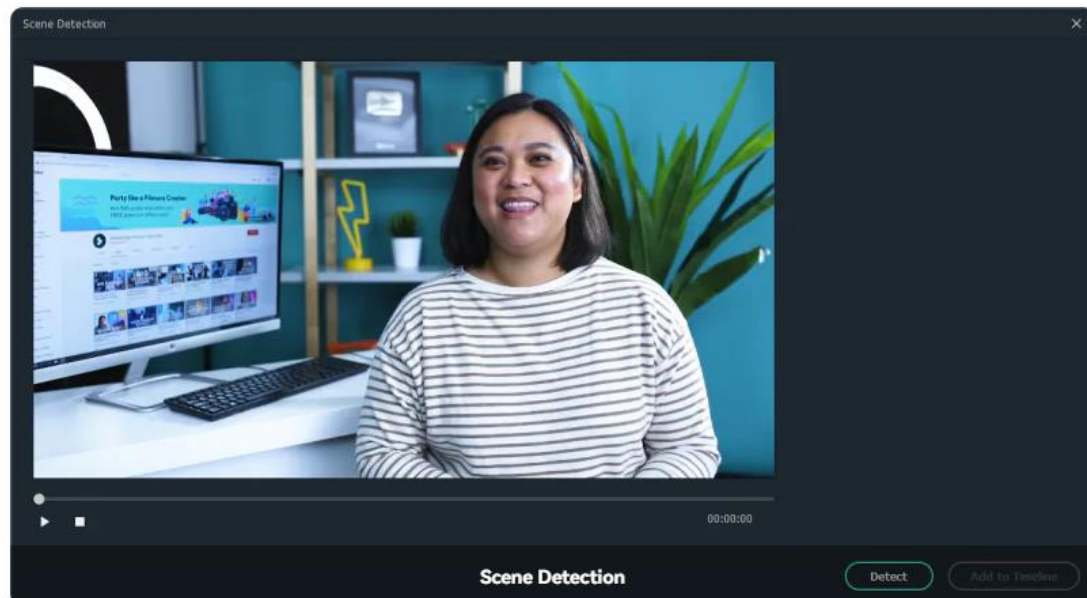
Detect All the Scenes Automatically

In the pop-up window, simply click Detect, the original file will be separated into smaller segments in seconds. You can double-click on the segments to preview. If you are satisfied, click Add to Timeline, all segments will then be moved to the video track on the timeline.