

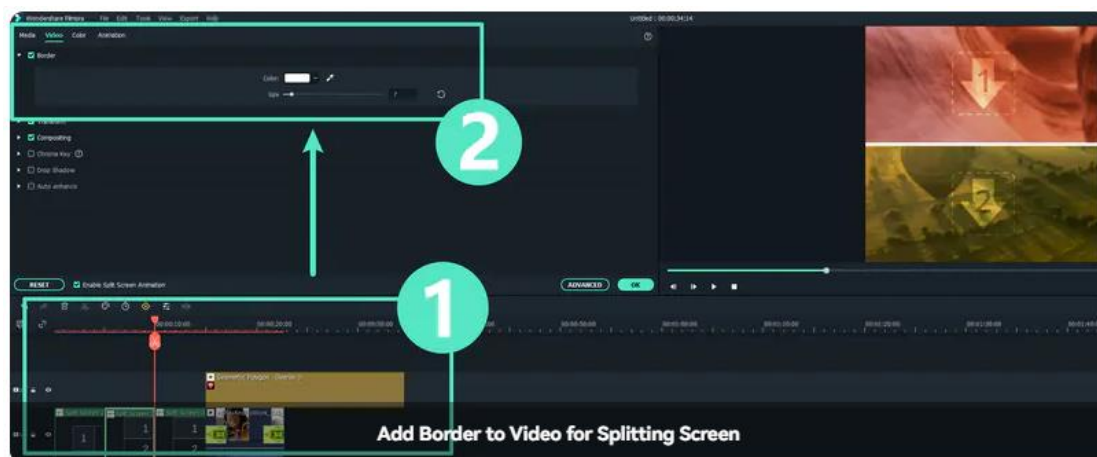
9 Editing Video

9.1 Border

Learn how to enable the Border option in split screen.

Adding borders is for the Split Screen feature.

- Choose the Split Screen template you would like to use.
- Click the Split Screen and choose the Video tab.
- Enable the Border option to add borders around the clips in your split-screen.
- You can adjust the color and size of the border.



9.2 Transform

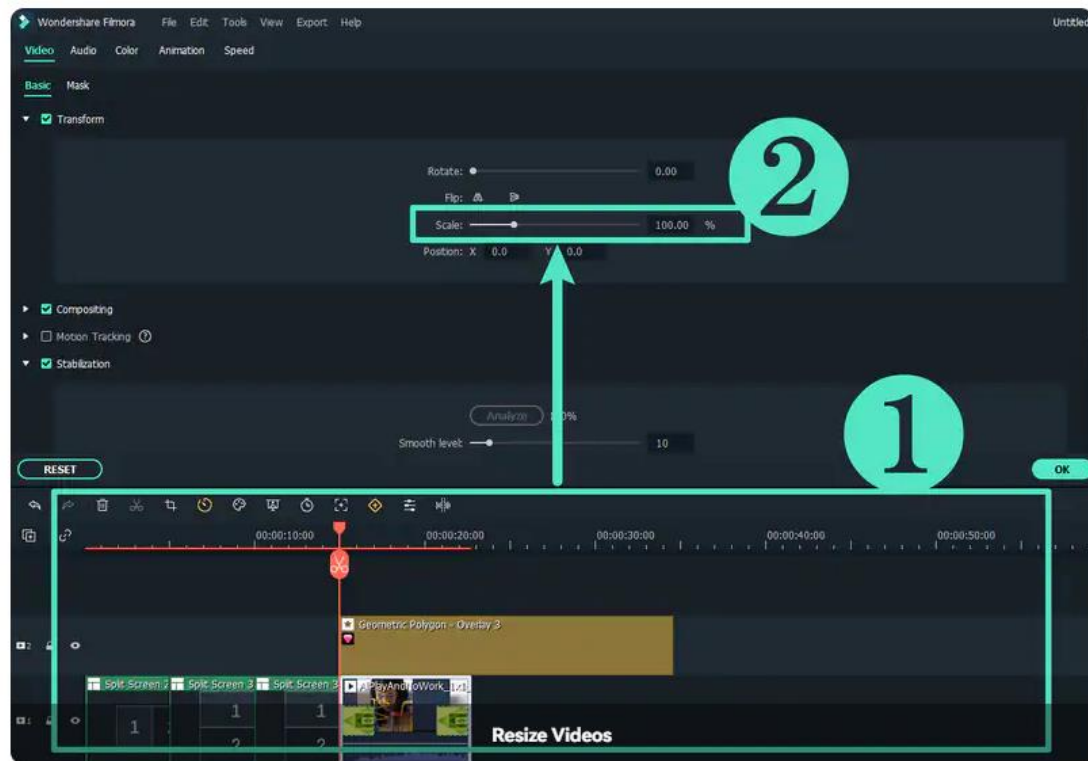
Learn how to transform in Filmora to accelerate video editing.

The functions of resizing, rotating, or flipping can be realized in the Transform tab.

Resize Videos

- ① To change the display size of a video, bring up the Video menu by double-clicking on the clip.
- ② Drag the Scale slider under Transform in the Video tab. Make sure the box next to Transform is checked first.

③ To the Scale slider, you'll see a box where you can enter a specific value you want to scale to.



Rotate or Flip Videos

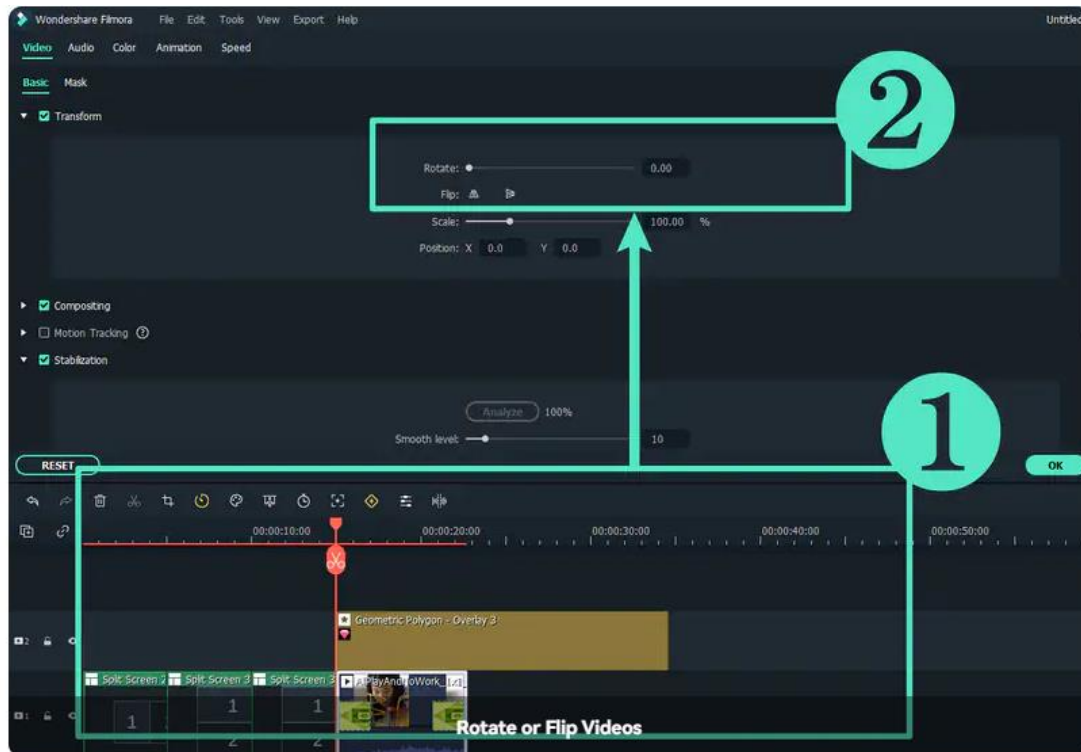
① To rotate or flip a clip: Place the clip you'd like to rotate or flip to the timeline and double click on it.

② The menu that opens will have options like Chroma Key and Compositing. Go into the Transform menu and make sure its box is checked.

③ Drag the Rotate Slider to the right to rotate your video, or insert a numerical value into the box located next to the slider.

④ Directly below Rotate, you'll see the Flip option. The Horizontal Flip icon will let you reverse your clip from left to right, and the Vertical Flip icon will turn the clip upside down.

⑤ In the lower-left corner of the menu, you'll see the Reset button. Click on it if you want to undo the changes you've made. If you're happy with your changes, click OK.



9.3 Compositing

Note:

Wondershare Filmora provides a wide range of compositing tools. You can easily import composites into Filmora.

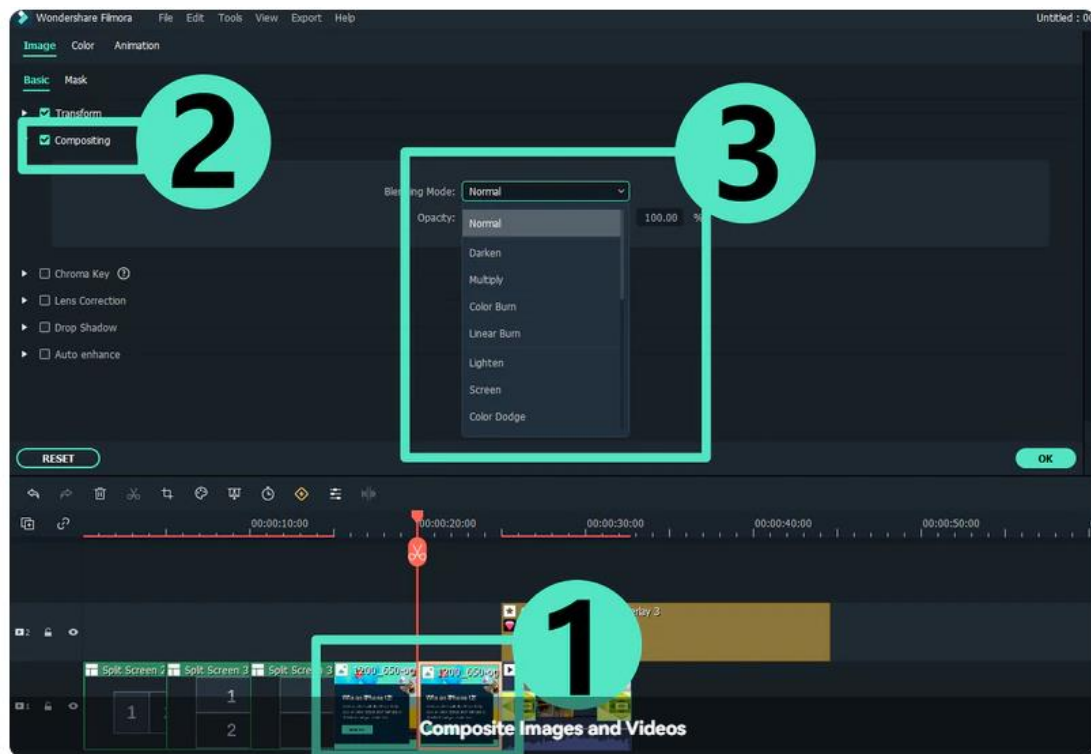
To make an entire clip uniformly transparent or semi-transparent, use the Opacity effect in Compositing. You can set a selected clip's opacity in video or image editing settings.

Composite Images and Videos

Add the image as an overlay, choose to adjust the opacity (transparency) and add a blending mode (i.e., have the video you can see through the image be darkened or tinted behind it).

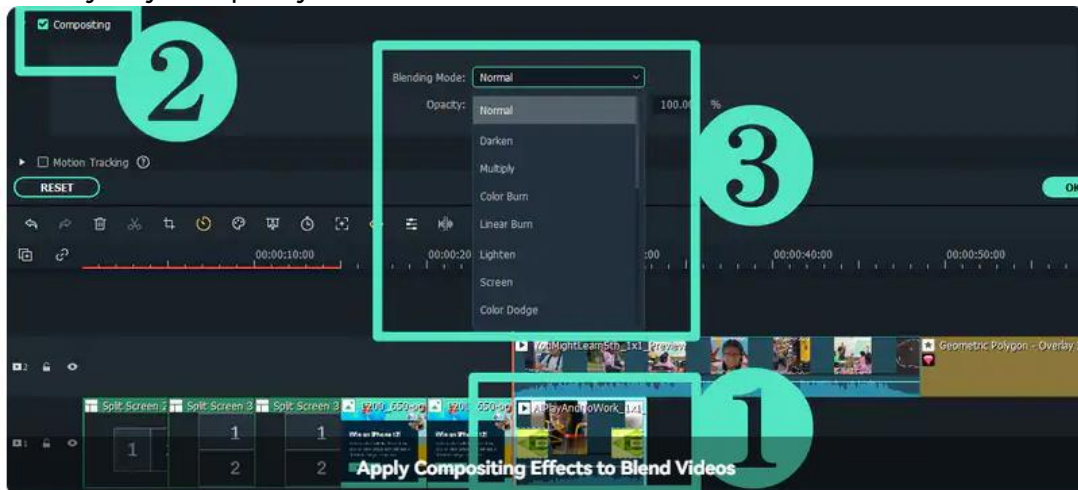
- 1 Double click the image to enter the Image Settings and go to Compositing.
- 2 Choose a blending mode from the drop-down menu (your options include Screen, Darken, Multiply, and more). You can also move the Opacity slider to adjust the

image's transparency.



Apply Compositing Effects to Blend Videos

Click into the Compositing tab and select compositing to blend your main video with your PIP clip. Depending on how intense or subtle you want the effect to be, you can adjust your opacity.



9.4 Motion Tracking

The Motion Tracker tool lets you track movement in your video and have objects like elements, videos, images, and text follow that movement.

Motion tracking generally requires specific hardware and software to capture and process the related data.

Motion tracking can be used in animation. The feature allows you to break down a moving person or object into separate, identifiable parts.

It helps to create a stored motion template. You can transfer that motion template to an animation. You can keep the elements you want and replace others with the desired images.

Note:

Most people only need text to add details or even a touch of humor to their videos.

Apply Motion Tracking to a Video Clip

① Apply Motion Tracking

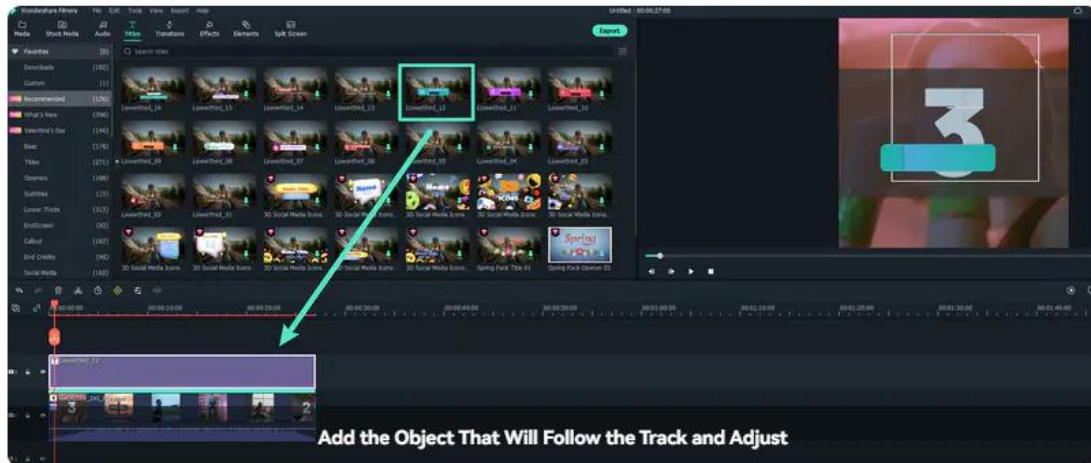
Double click on a clip in your timeline to open the editing menu, check the box next to Motion Tracking.

Move the tracker box over the moving object in the video you want to track and click Start Tracking to render the effect.

- The subject you want to track must be in the frame for the entire clip.
- Trim the clip down and shorten it if not in the frame.
- Use motion tracking to identify interruptions in their appearance in every clip.

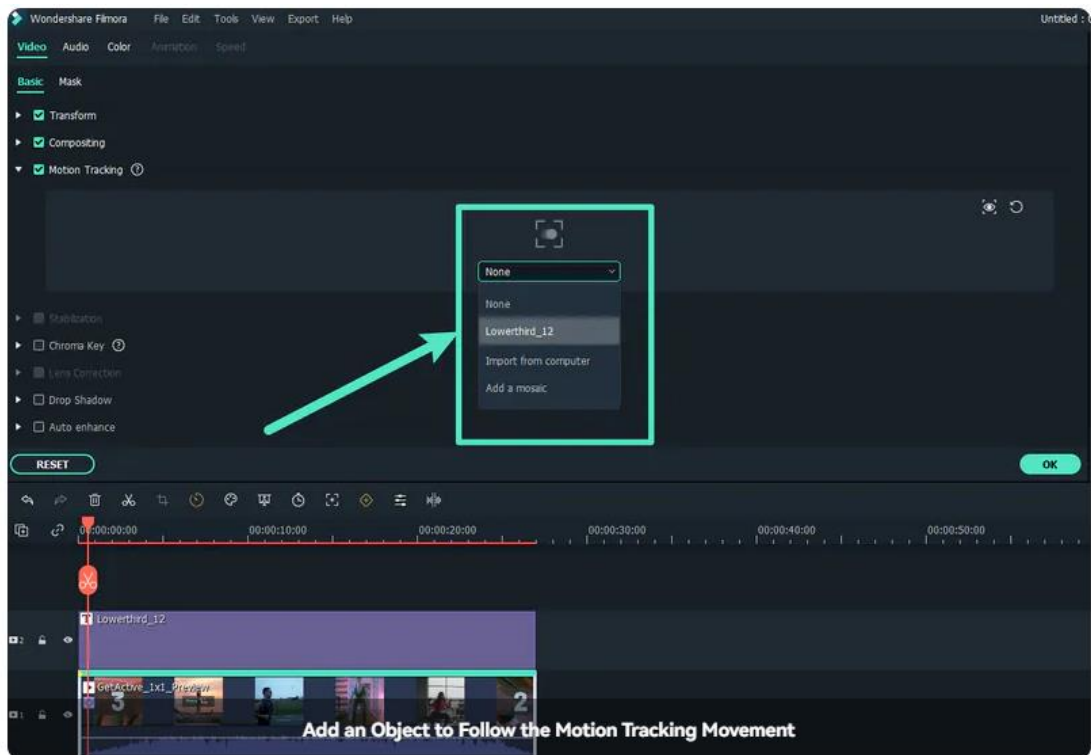
② Add the Object That Will Follow the Track and Adjust

Drag and drop texts, images, elements, or video clips to the track above the video, and adjust the position, size, and orientation if necessary.



③ Add an Object to Follow the Motion Tracking Movement

Double click the motion tracking video clip in the timeline. Click the dropdown menu under Motion Tracking and choose an object to follow the tracked movement.



④ Playback and Check the Tracking Result

Fine-tune the size and position of the object following the track in the Preview. You can also switch the follower at any time.

Turn Off Motion Tracking

Uncheck the box next to the Motion Tracking in the Video editing menu (double click on your clip and go to the Video tab to access this menu).

Creative Ways to Utilize the Tool

① Censor objects in a Video with Motion-Tracked Elements

Whether it be a privacy, security, or copyright concern, every editor will eventually have to come across censoring. Filmora allows you to add custom elements to the object.

② Enhance Real Estate Videos

You can modernize that pitch by doing the followings:

- Attach tags, prices, and key facts to properties.
- Highlight key property features by attaching motion-tracked markers.
- Use virtual arrows & directions to guide viewers through the property.
- Blur face, information, or ongoing construction work.

③ Level Up Your Videos with Motion-Tracked Text

You can do the following to improve:

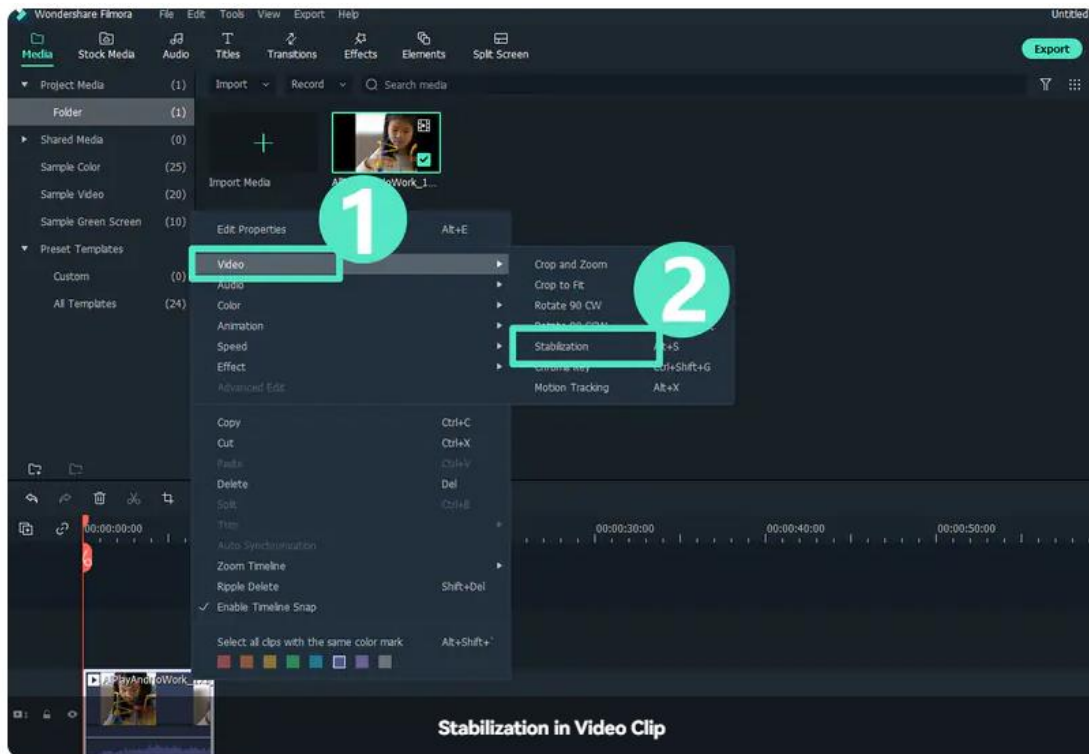
- Make dynamic text and logo using motion-tracked callouts and elements.
- Keep voiceovers concise and use motion-tracked captions to convey key pieces of information.
- Visualize character thoughts, speech, attributes, etc.
- Attach the names & titles of characters and objects for convenience

If you don't see this startup window, please upgrade to the latest version, and then go to File > Preferences > General tab to enable this startup window. It will show when Filmora launches next time.

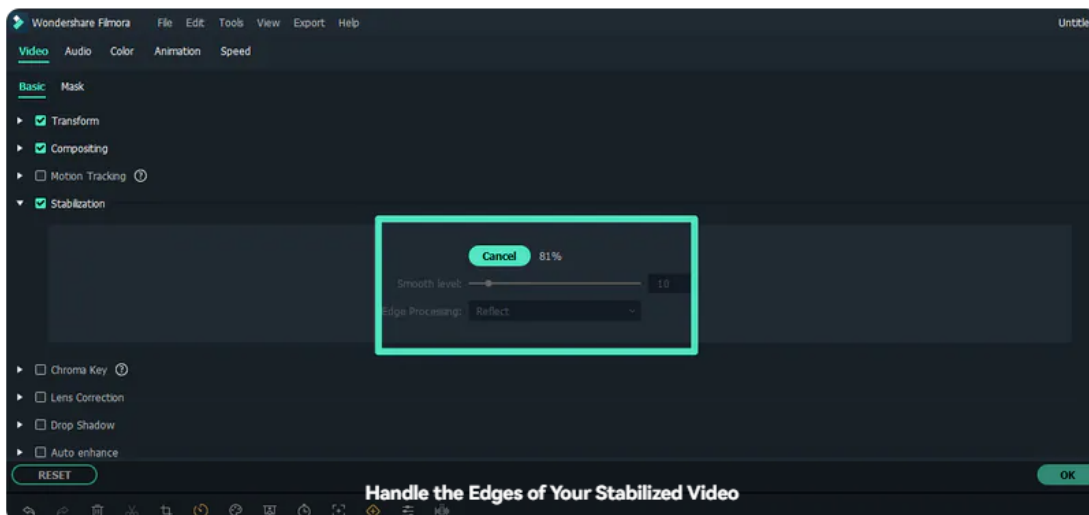
9.5 Stabilization

Discover the ease of editing clips in Filmora: this feature of Filmora will allow you to smooth out shaky footage.

① Select Create New Project to start a project. Press the Import button or drag the video manually to the Media library. Right-click the video clip in the timeline, and select Stabilization. Filmora will start analyzing automatically.



2 After analysis, you can drag the slider to adjust the smooth level. Edge processing determines how Filmora will handle the edges of your stabilized video. You can set the edge processing to Reflect, tile, or extend. By default, Filmora will reflect the video edge.



3 Click OK if you are satisfied with the result.

9.6 Chroma Key(Green Screen)

Chroma Key is used to remove specific colors from overlay images and videos. For example, if you capture a subject against a "green screen" background or cover part of the subject with green, you can use Chroma Key to remove the green.

You can then place the subject onto different virtual backgrounds and make some cool shots like creating a superhero flying through the sky.

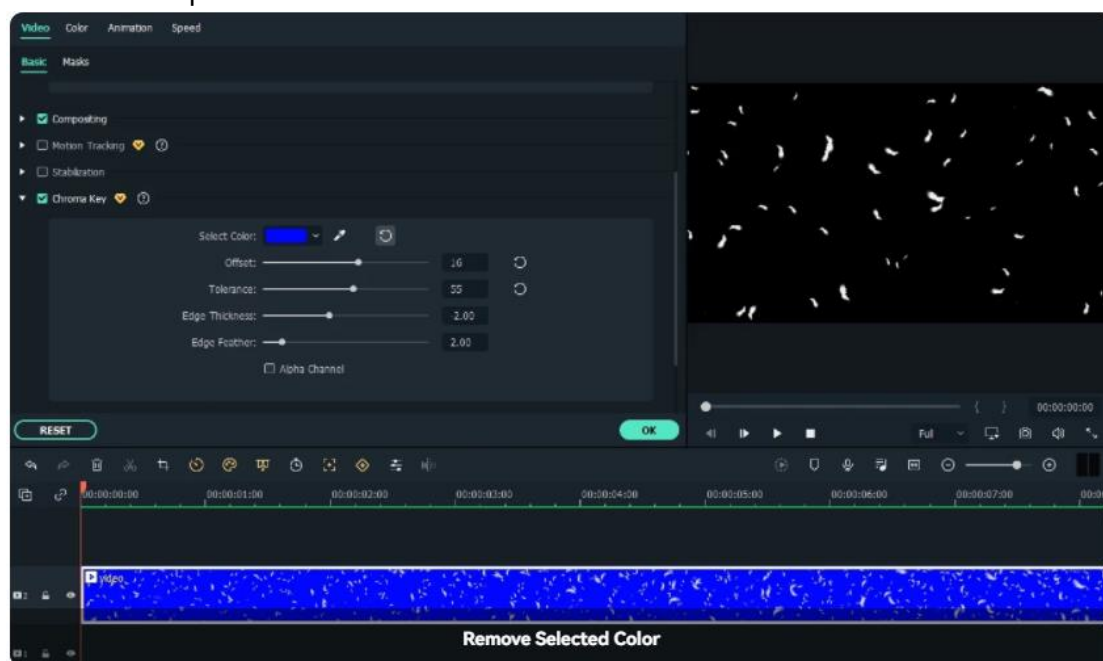
Use Chroma Key to Make Selected Colors Transparent

Enable Chroma Key

Double click on the clip in your timeline to open the editing panel, check the box next to Chroma Key. You can also select the video in the timeline first and then click on the Chroma Key icon on the toolbar to enable the Chroma Key feature automatically.

Select Color

Click on the eyedropper tool to pick a color in the image or video clip that you want to make transparent in the Preview window.



Adjust Settings

You can adjust the following settings to alter the borders, transparency, shadows, and much more in the video.

- **Offset:** adjusts the visibility of the backdrop
- **Tolerance:** controls the width of the range of hues of the key color
- **Edge Feathering:** softens the edges

- **Edge Thickness:** adjusts the edges of the subject
- **Alpha Channel:** turns anything keyed out appearing black and anything not keyed out appearing as white.

Creative Way to Use Chroma Key

The Chroma key makes a color range in the top layer of the clips transparent, therefore the background video clip or image behind the top layer could show through. In this way, you can add the green screen video as an overlay to composite a PiP video.

Import Videos to Media Library

Import both your background video and green screen clip to the media library.

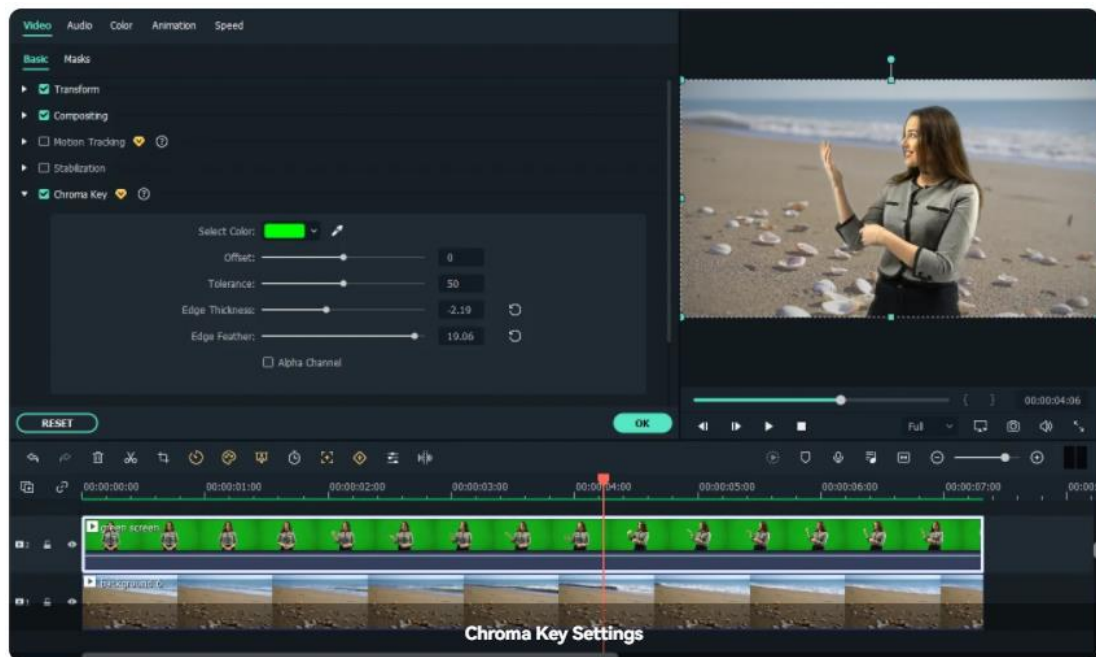
Drag and Place Videos to Timeline

Drag the background clip to the video track on the timeline, and green screen footage to the track above as shown below:



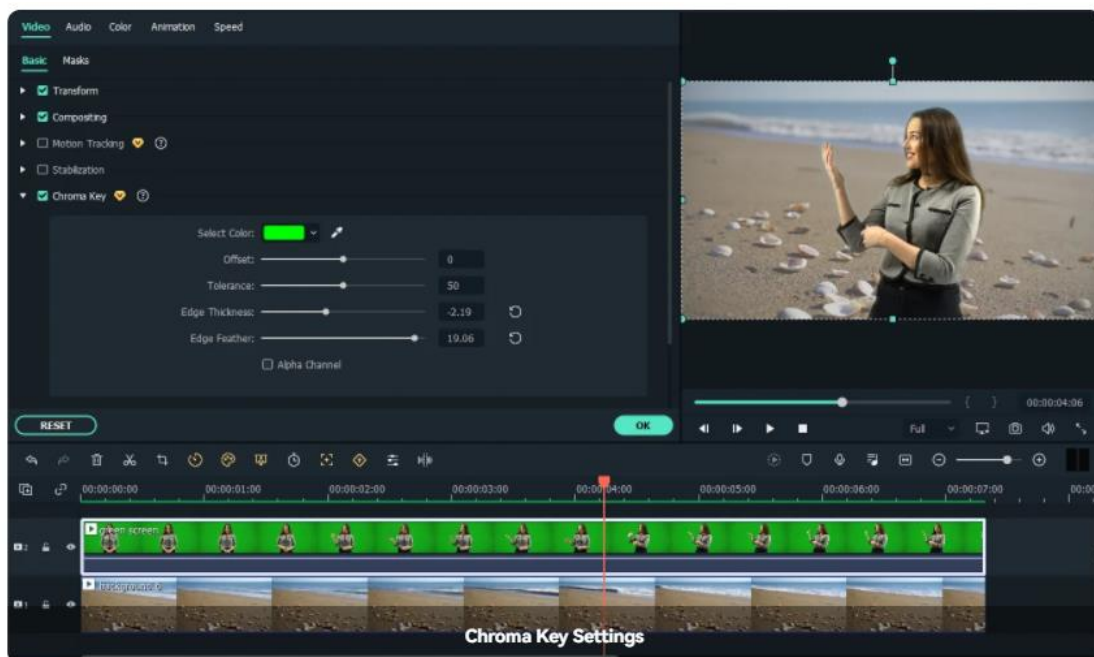
Use Chroma Key to Remove Green Screen

Double click the green screen clip, and then tick Chroma Key option. By default, the green screen color will be picked and be removed automatically. You also can refine video by adjusting the offset, tolerance, edge thickness and edge feather settings to make background video clearer.



Preview PIP and Adjust

Check the result in the Preview window and adjust its size and positions if needed.



Note:

If you want to fine-tune how the green screen overlay blends with the background, you can adjust the settings on the Compositing tab.

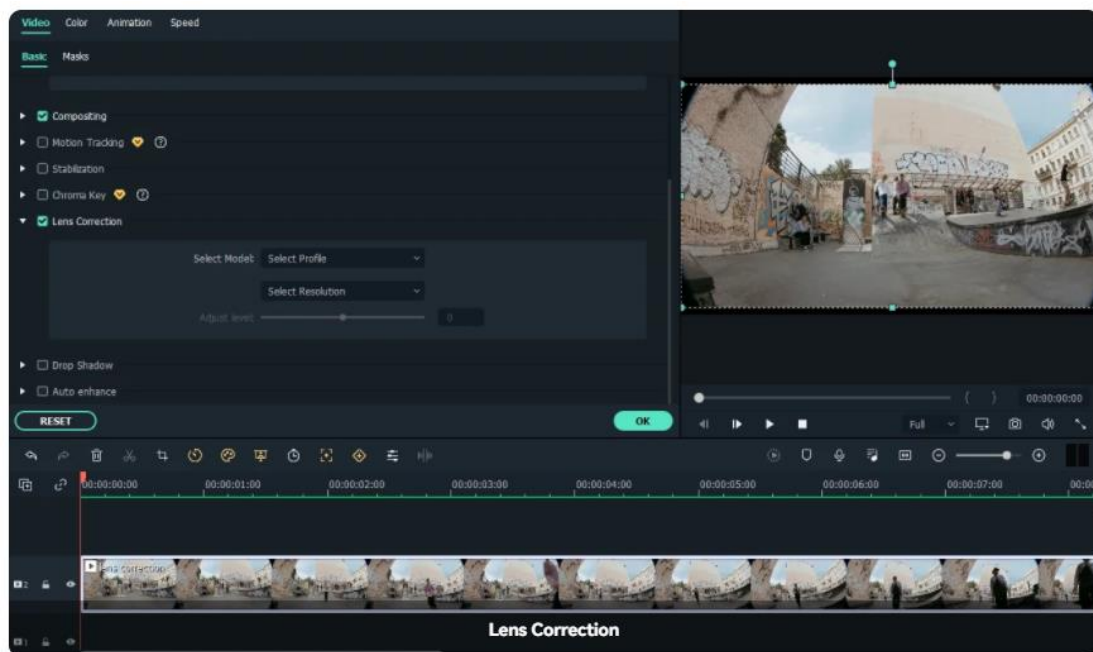
9.7 Lens Correction

When you use the wide-angle lenses in the action camera to capture wide scenes, you may find the video clip is distorted. The Lens Correction has some presets for action cameras such as GoPro models and Sony that allow you to reduce distortion.

Apply Lens Correction to Remove Fisheye

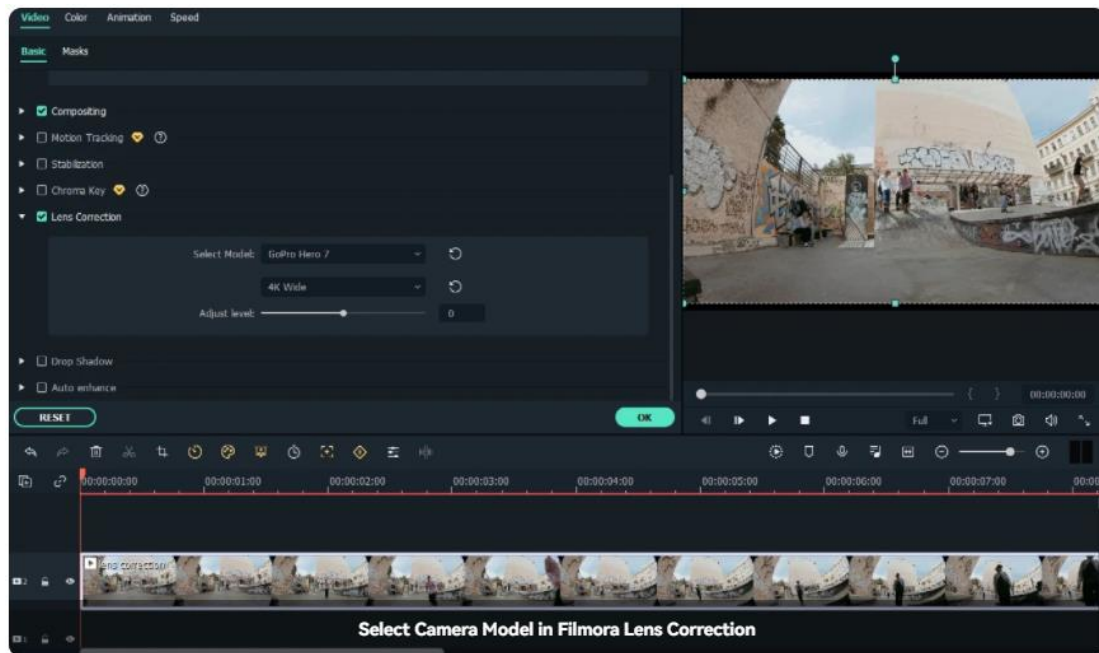
Enable Fisheye Lens Correction

Double click on the video in the timeline to open the editing panel and then go to Lens Correction in the Video Tab. Click the checkbox to enable the fisheye correction feature.



Select Model

From the Select Profile drop-down list, select your camera model. Then, in the drop-down menu below, select the capture mode resolution your video was shot with.

**Note:**

This menu will be empty until you choose the camera model.

Adjust Lens Correction Settings

Adjust the correction level by dragging the Adjust Level slide bar. Increasing the level will zoom out the video more. Check the results in the Preview window and click OK to save the changes.

9.8 Trim/Split Video

To remove unwanted parts from the video, you can split or trim the clip. You can split a video into two separate clips, trim off the beginning and/or ends of a video clip.

Note:

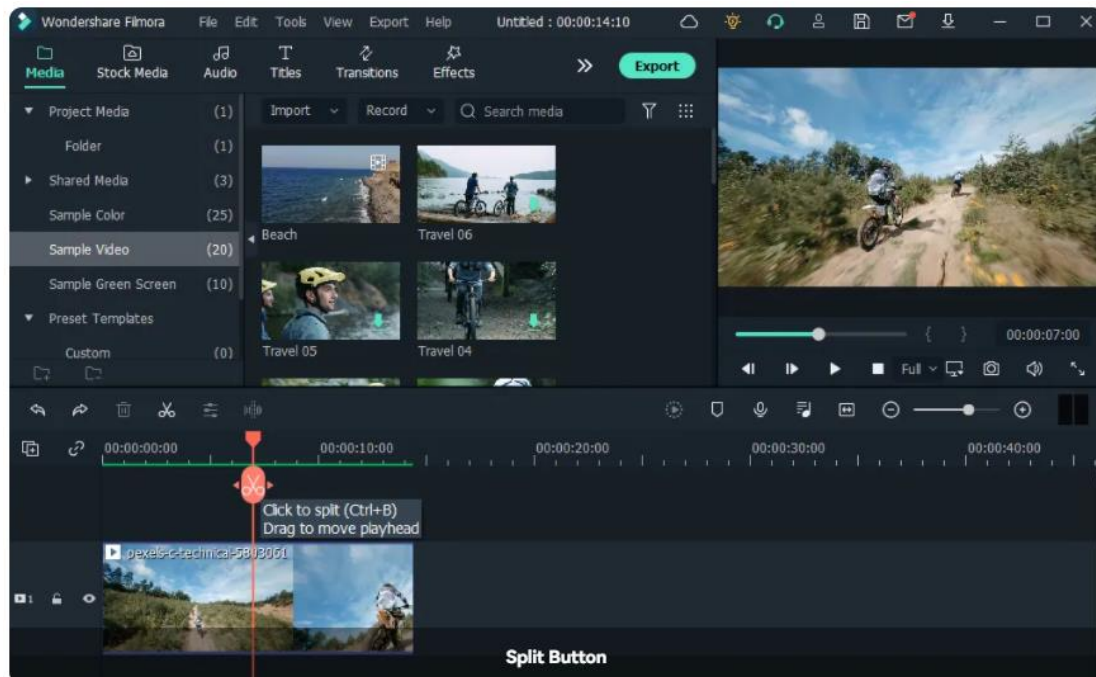
Trimming or splitting the media clip will not affect the original source media.

Split Video Clip

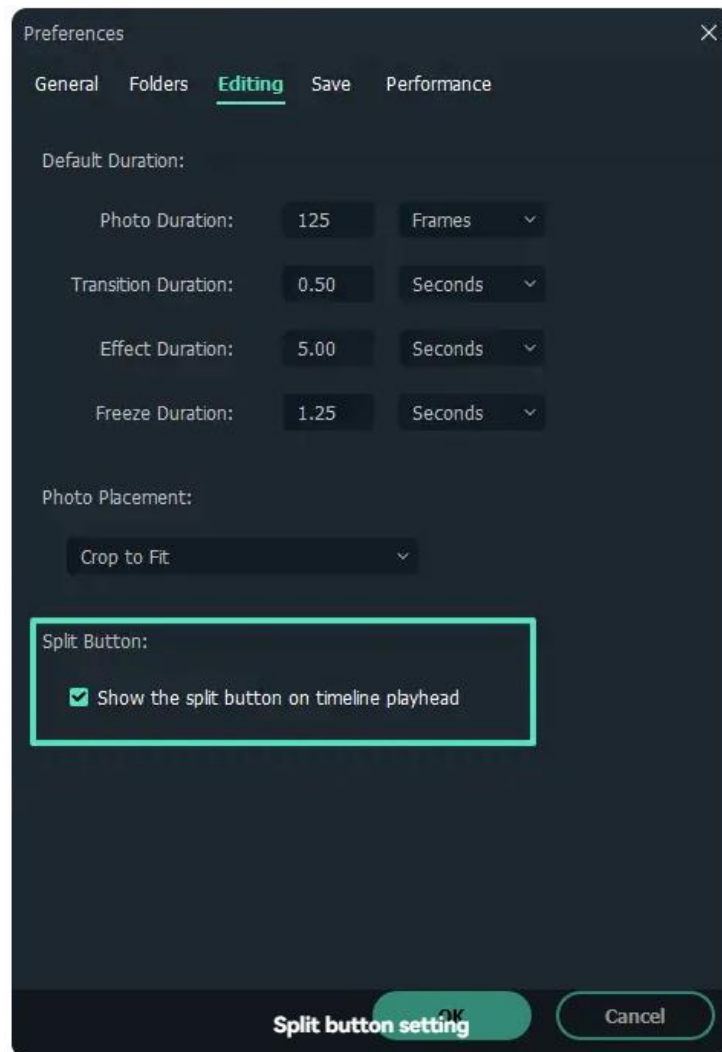
Splits the selected clip. Position the Scrubber to where you want the clip to be split, and then click this button.

1 Split Video with the Split Button in Timeline

Click the video in the timeline, drag the playhead to the position where you want to split, and click the split button on the playhead to create the split.

**Note:**

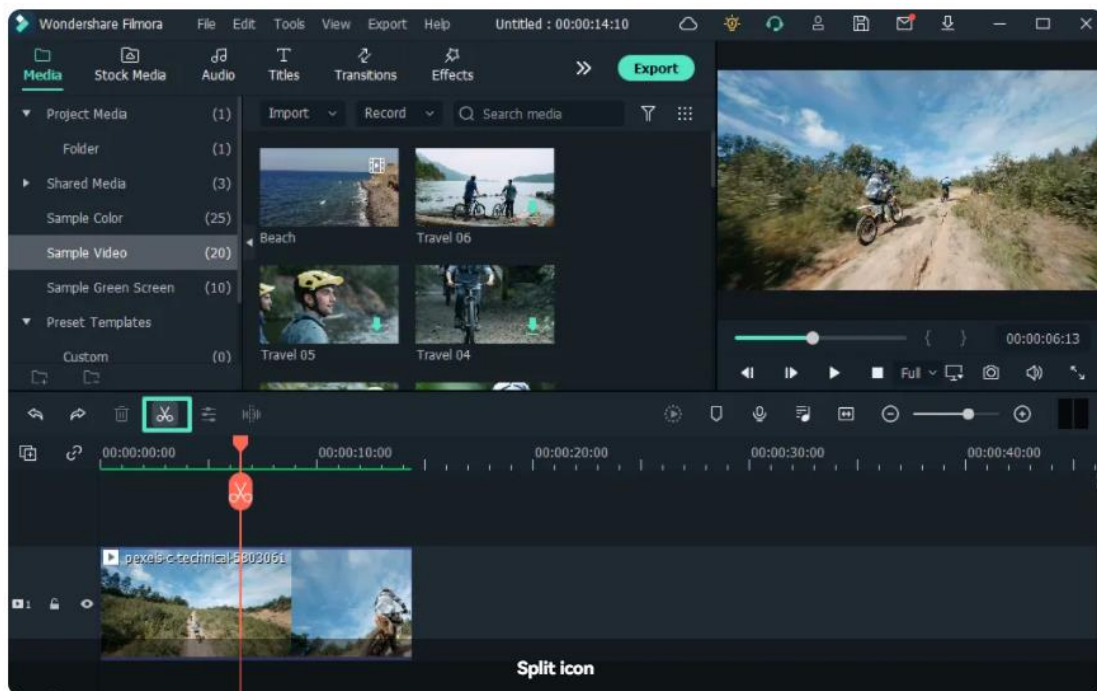
If you don't select a specific track in your timeline, you will split all of the clips under your playhead. To split media in a single track, you need to select the track first and then click the Split button.

**Note:**

If you didn't see the Split Button in the timeline, you can go to File -> Preferences -> Editing to show it.

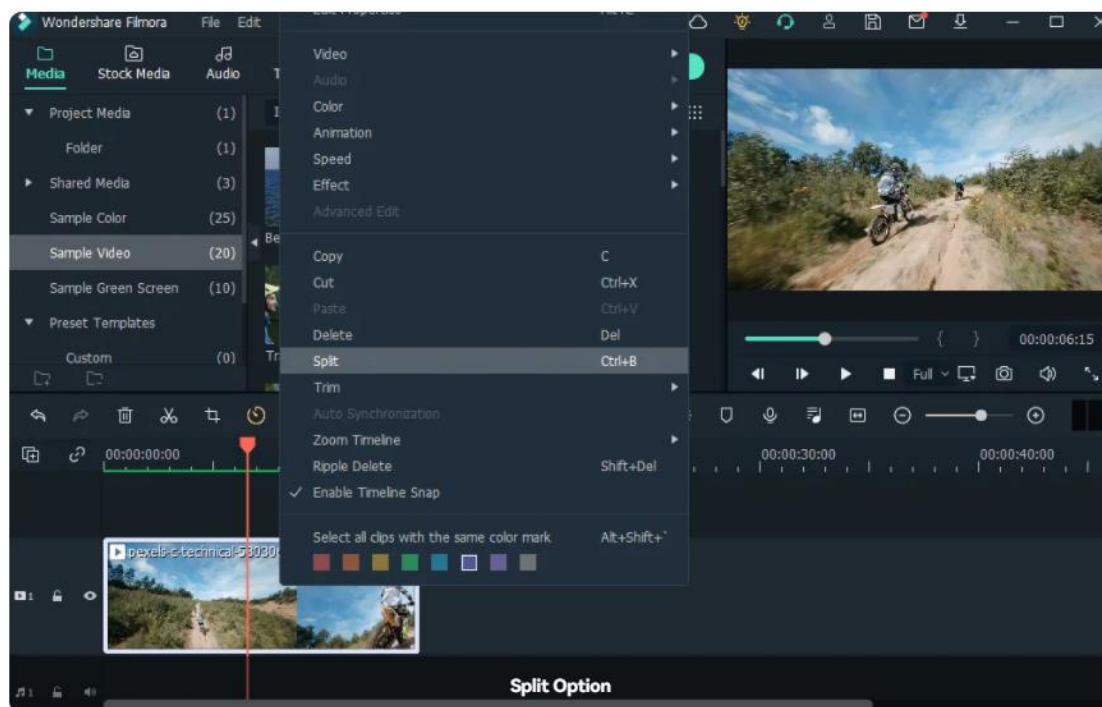
② Split Video into Parts with the Split iCon

- Click the video in the timeline, and move the playhead to the position in the clip where you want to split it.
- Click the scissors icon above the timeline to separate it into two clips.



3 Split Video with the Split Option

Select the video and place the playhead at the position where you want to split the clip, right-click and choose Split from the context menu.



Note:

You can also split large videos based on scenes. For more details, check Scene Detection.

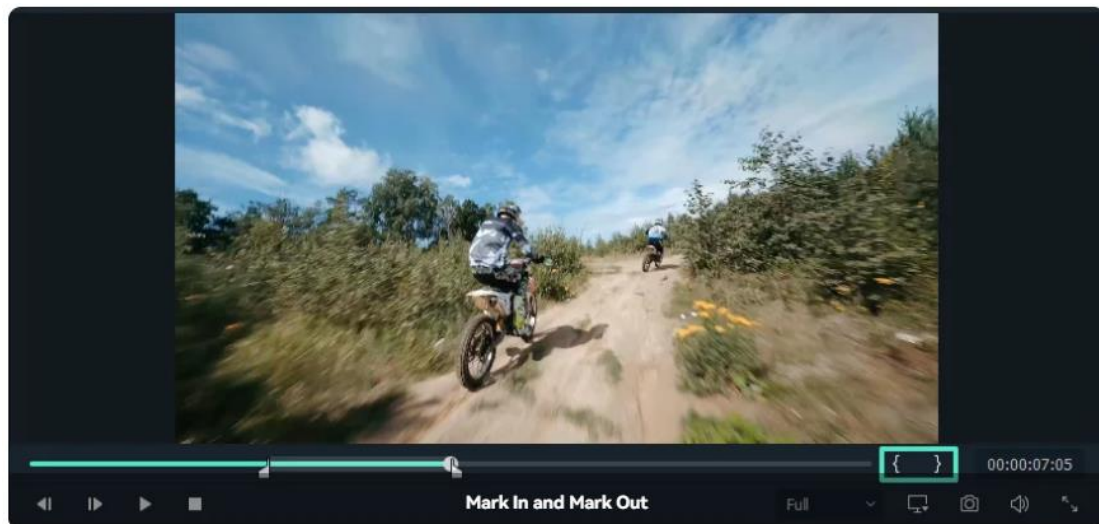
Trim Video

You can use the trim feature to remove unwanted segments at the beginning or the ends of the video.

① Trim with Mark In and Out in Preview Window

In the Preview window, you can use the Mark In and Mark Out points to break down a video into multiple segments without importing it to the timeline first.

- Double click the video in the Media Library to view it in the Preview window.
- Use the player controls to find where you want the trimmed clip to begin, and then click the Mark In button when you get the frame of the video that you want to use as the beginning point.
- Click the Mark Out button to set the point that you want it to be the end frame.
- Drag the clip from the Preview window to the timeline, the video segment you want to keep will be loaded in the timeline.



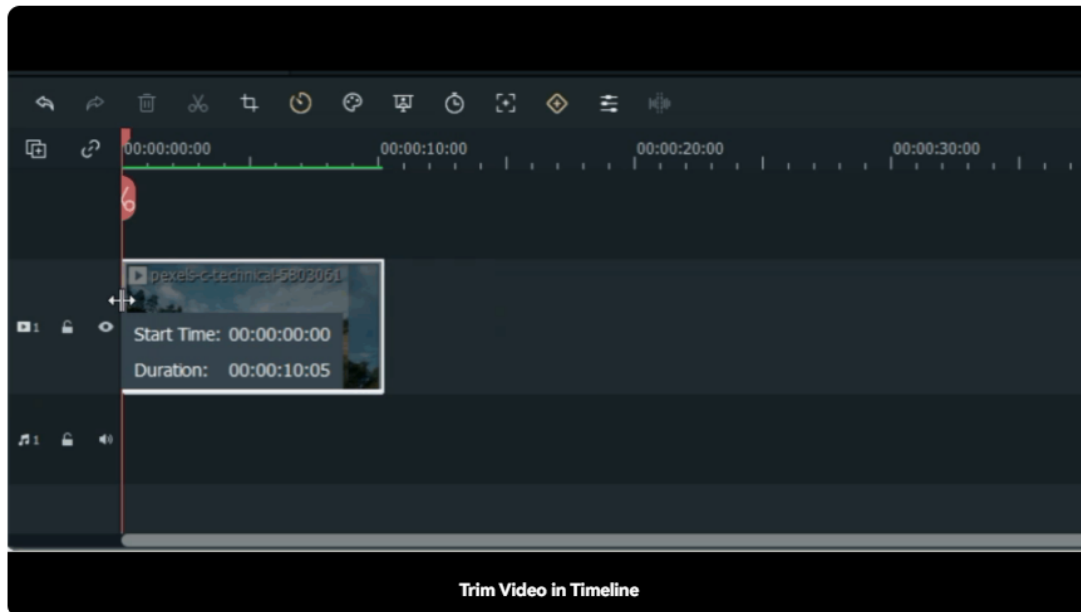
Note:

After you mark in and out points, you can always change your mind before you edit the clip into the timeline. Just drag the Mark In and Mark Out points to a new position in the Preview window.

② Trim Video in Timeline

Select the video on the timeline you want to trim, hover your mouse over the left or right edge of the video until the trim tool shows.

Click and drag the edge of your clip forwards or backwards to trim off the unwanted portion.



Note:


Filmora also has an option for you to quick trim from the start or end of a clip. Move the Playhead on the frame want to trim, and right click on it to select Trim Start to Playhead or Trim End to Playhead under Trim context menu, depending on whether you want to delete what's behind the playhead or in front of it.

9.9 Crop/Pan/Zoom Video

You can crop video to a specific aspect ratio so that only the area you selected appears when playback. Or, you can use the Pan & Zoom effect to make the camera appear to zoom in or zoom out of the clip. For example, you can choose to start a video clip in full-frame view, then gradually zoom in to reveal a specific subject in the video, then pan to reveal other subjects in the video.

Crop Videos and Photos

You can use the Crop tool to crop out unwanted portions of the video and customize the aspect ratio.

- Select the video in the timeline, and then click the Crop icon  to open

the Crop and Zoom panel. Or you can right click on the clip in the timeline, and select the Crop and Zoom option from the Video context menu to enter the Crop and Zoom panel.

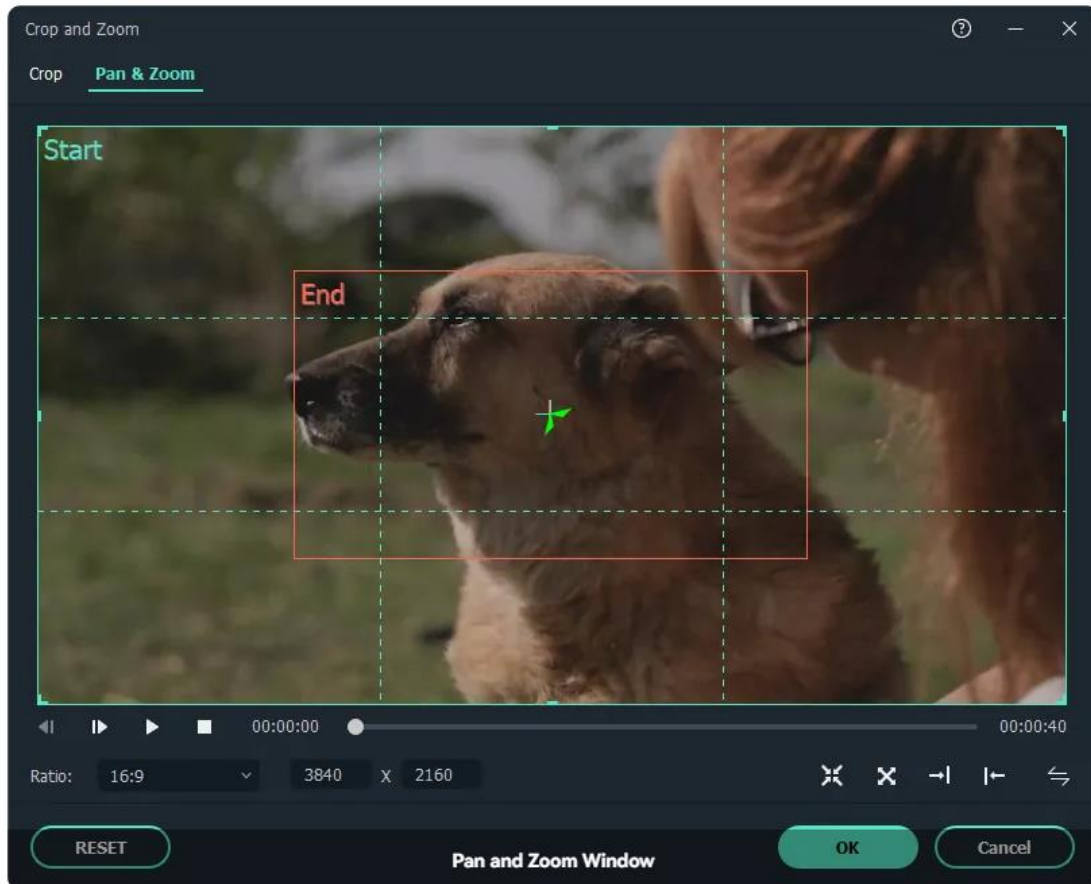
- In the Crop and Zoom panel, set up the ratio of the crop area by choosing the ratio presets:
- 16:9: set the crop area at 1:1 aspect ratio, for example the standard aspect ratio for YouTube on a computer.
- 4:3: set the crop area at 4:3 aspect ratio, which is popular back in 80s and 90s.
- 9:16: set the crop area at 9:16 aspect ratio, namely a vertical video.
- Custom: set up a customize aspect ratio using the Width and Height fields manually.
- Drag the sizing handles on the crop rectangle to set the crop area.
- Drag the corner handles in the rectangle area to adjust the size and position of the crop area.
- Click OK to save the setting and crop the video.
-

Pan & Zoom for Videos and Photos

A 'Pan' is when the camera moves between two subjects while filming and a 'Zoom' is when the camera either moves closer or farther to one part of the frame through the use of a zoom lens.

For example, you can start showing with a close-up of a subject in the video, and gradually zoom out to show the full scene.

- Right-click on the video in the timeline and choose Crop and Zoom option under Video context menu.
- Switch to the Pan and Zoom tab in Crop and Zoom panel. Two frames will appear over your footage: a green frame marked Start and a red frame marked End.



- There are 5 pan & zoom modes to choose from under the right corner, click one to apply quickly.
- Zoom in mode: Zoom in from the larger green frame to the smaller red frame, i.e. from far to near. You may do this to get a close up on a character's face.
- Zoom out mode: Zoom out from the smaller green frame to the larger red frame, i.e. from near to far. You may do this to reveal a larger scene.
- Pan left mode: Move horizontally from the green frame on the left to the red frame on the right. You may do this to move between characters or follow a moving subject.
- Pan right mode: Move horizontally from the green frame on the right to the red frame on the left. You may do this to move between characters or follow a moving subject.
- Swap mode: Swap the start and end area.
- Drag the handles in the Start frame rectangle area and the End frame rectangle area to resize until it is framed in the way you want.

- Click the OK button to apply the changes.

When play back, the clip is cropped at the beginning as set by the Start frame and zoomed in or out based on how the End frame is cropped.

9.10 Change Video Speed

You can change the playback speed of videos in several ways with Filmora. Speed up the video and play it at lightning speed to add comedy to the video, slow down the video to emphasize details. Changing the speed at various instances in a clip makes the video more engaging.

Change Video Speed with Uniform Speed

Using the Uniform Speed feature, you can adjust the speed of the selected clip to the same rate.

Get to the Uniform Speed Panel

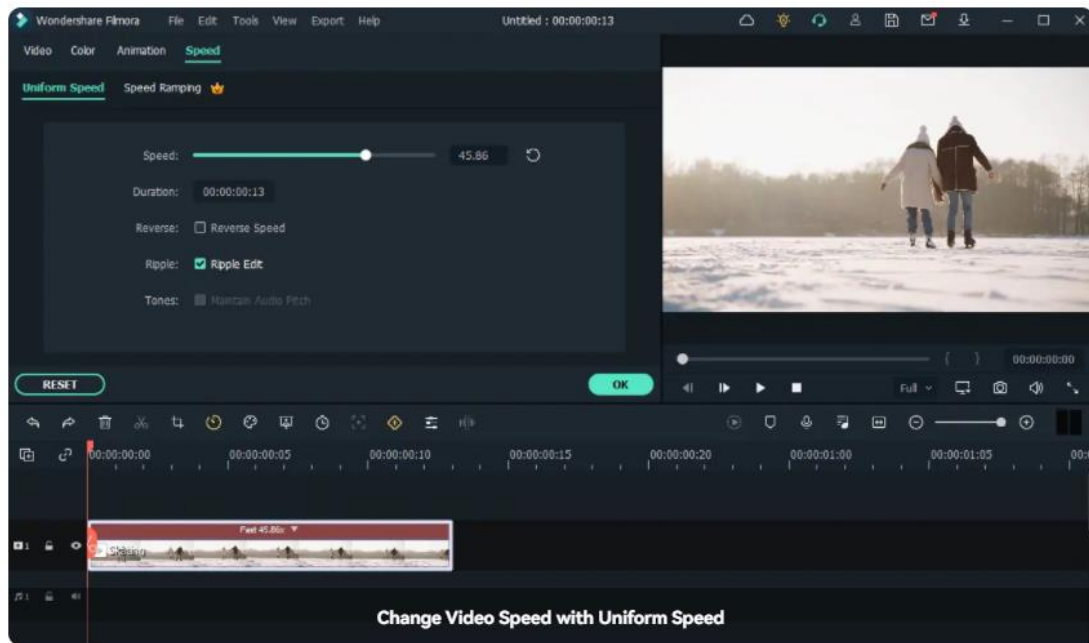
Click the video in the timeline and click the Speed icon from the toolbar above it. Select the Uniform Speed option.

Change Video Speed to Constant Speed

Drag the Speed slider to the right or left to speed up or slow down the playback speed. Optionally, you can enter your preferred value in the Duration field to get a more precise output.

Preview the Video and Save

Click the Play button in the Preview window or press the Spacebar to preview the modifications. Click OK from the bottom-right corner to save the changes.

**Note:**

It is recommended to enable Maintain Audio Pitch option to keep the video audio sound natural.

Modify Video Playback Speed with Speed Ramping

In addition to constant speed changes in Uniform Speed, you can create variable speed effects with Speed Ramping, where a clip's playback speed changes dynamically. You can set up different playback speeds for each portion of the video.

Go to the Speed Ramping Panel

Click the video in the timeline and click the Speed icon, select the Speed Ramping option, and then you will see a couple of options:

None: Apply no speed ramping.

Customize: By default, five-speed points allow you to customize the speed exactly the way you want.

Montage: Six speed points in the playback speed of the selected video: 0.9x, 0.9x, 6.9x, 0.3x, 1.0x, and 1.0x, which present a slow, slow, fast, slow, and normal rhythm.

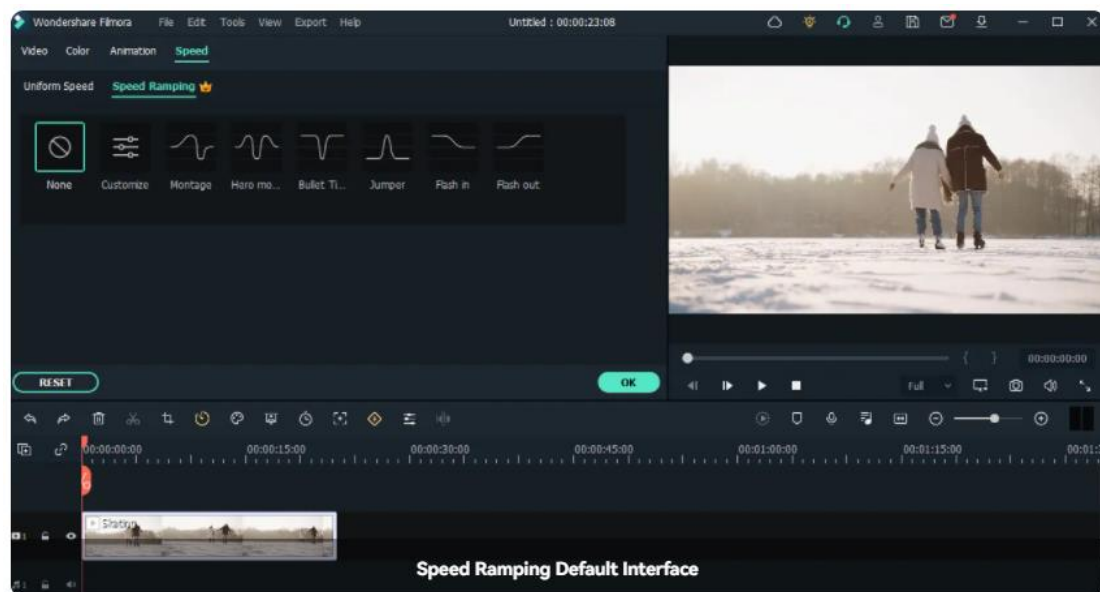
Hero moment: Eight-speed points in the playback speed of the selected video: 1.0x, 1.0x, 5.4x, 0.5x, 0.5x, 5.4x, 1.0x, and 1.0x, which present a normal, fast, slow, slow, fast, and normal rhythm.

Bullet time: Six-speed points in the playback speed of the selected video: 5.2x, 5.2x, 0.5x, 0.5x, 5.2x, and 5.2x, which present a fast, fast, slow, slow, fast, fast rhythm.

Jumper: Five-speed points in the playback speed of the selected video: 0.6x, 0.6x, 6.0x, 0.6x, and 0.6x, which present a slow, slow, fast, slow, slow rhythm.

Flash in: Four-speed points in the playback speed of the selected video: 5.2x, 5.2x, 1x, and 1x, which present a fast, fast, normal, normal rhythm.

Flash out: Four-speed points in the playback speed of the selected video: 1x, 1x, 5.2x, and 5.2x, which present a normal, normal, fast, fast rhythm.



Select and Customize Speed Ramping Preset

Please select one of the presets to apply variable video speed and customize it based on your needs. Variation in the speed will remain effective until the Play head reaches the next speed point. The speed of the video will gradually change as the Play head moves between the speed points.

Adjust the speed of the section: Drag the speed point up or down to increase or decrease the speed of the section.

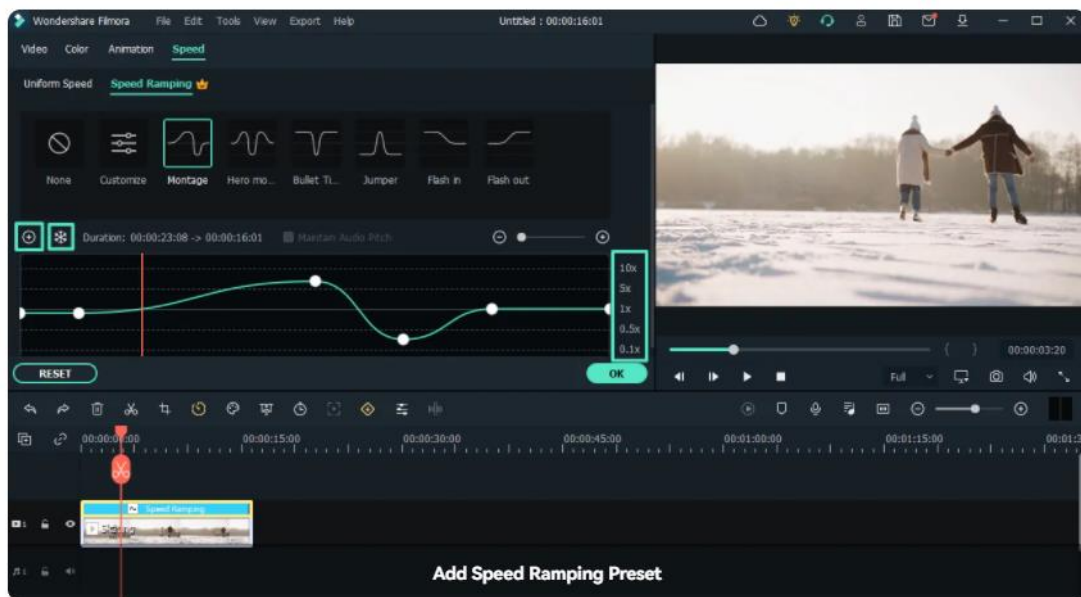
Adjust the range of the section: Drag the speed point left or right to change the portion applying the speed.

Add speed point: Place the play head to the point you want to change the speed, and then click the Plus + icon on the left to add a speed point.

Delete speed point: Select the speed point and click the Plus – icon to remove it.

Add a freeze frame: Place the play head to the point you want to freeze, and then

click the snow icon to add a freeze-frame. Set up the freeze time and click OK to save.

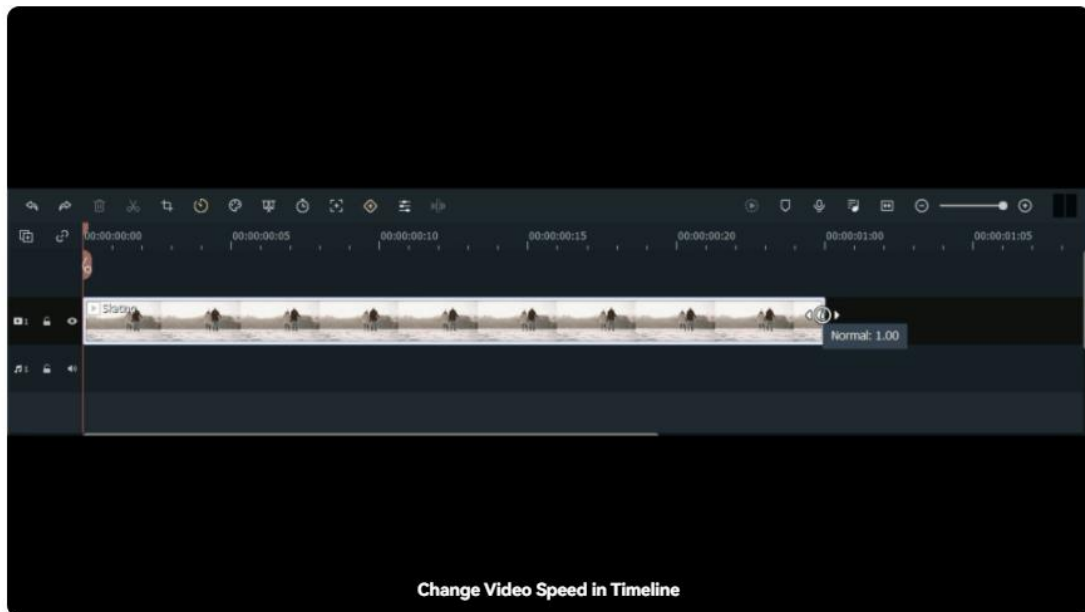
**Note:**

You can also click the Customize option to set up the speed ramping from scratch.

Change Speed in Timeline

You can drag the video edge in the timeline to speed up or slow down the video.

- Press the Ctrl button on your keyboard, then hover the mouse over the end of the video in the timeline. You will see the around speed change icon.
- While holding down the 'Ctrl' button, drag the edge of the clip backward to slow down the clip or forwards to speed it up.
- After you slow down the clip, you will see a purple strip showing the speed change. After you speed up the clip, you will see a red strip showing the speed change.



9.11 Masks

Masking is a process where a transparent shape layer is drawn/created over the main clip. When masking is done, any portion of the video that is covered with the mask is visible and everything else remains hidden.

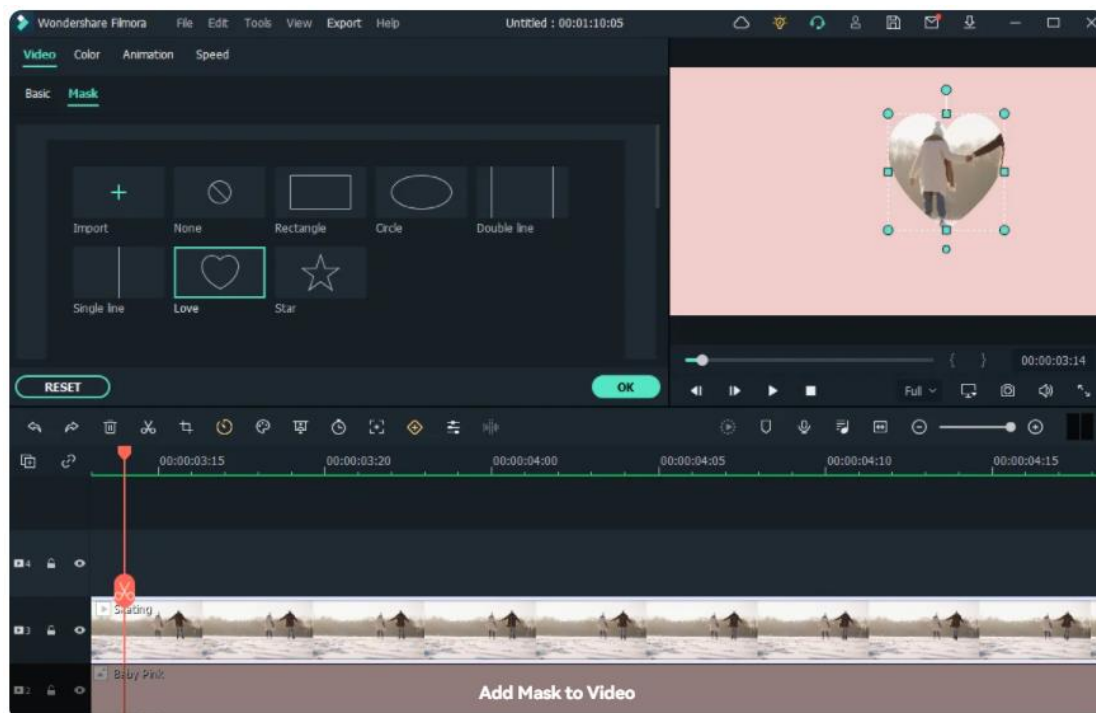
Masks are mostly used to prevent the viewers from any distraction and draw their attention to a particular action or person.

Go to the Masks tab

Double click the video clip in the timeline to enter the Video panel. Switch from Basic to Mask tab, and you will see some mask shapes, such as rectangle, circle, double line, single line, love and star.

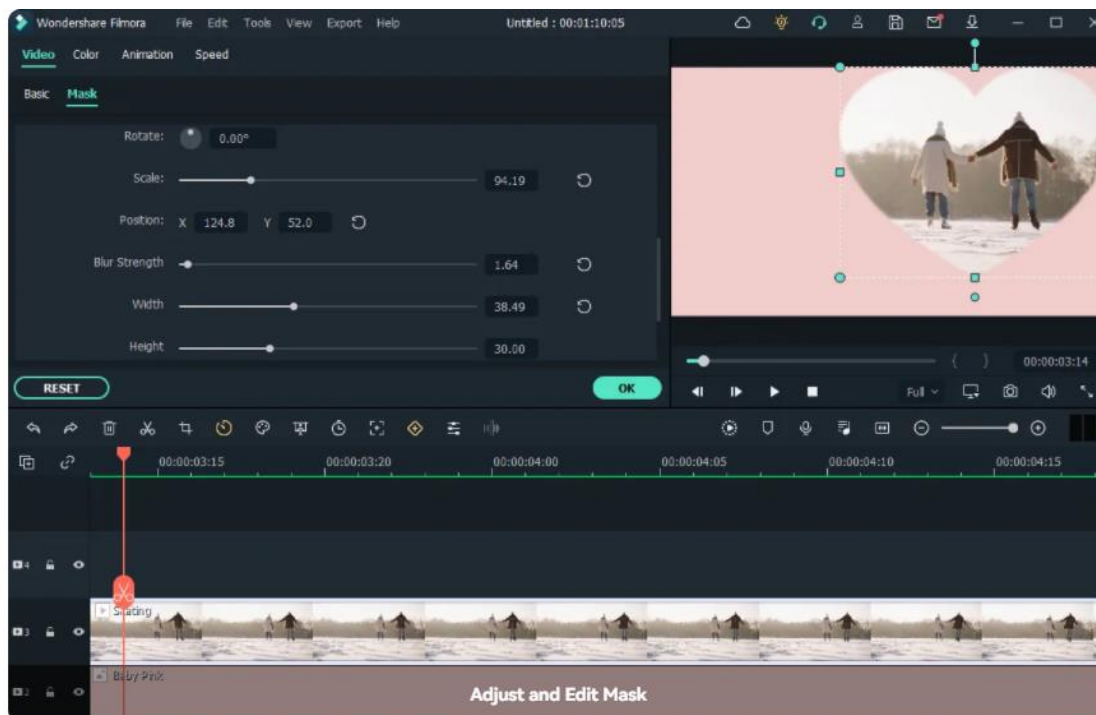
Apply a Mask

You can apply an existing video mask or load your own video mask by clicking Import. Click one of the shapes from the Masks, you will see only the area covered with the mask shape is visible and everything else gets hidden in the Preview window.



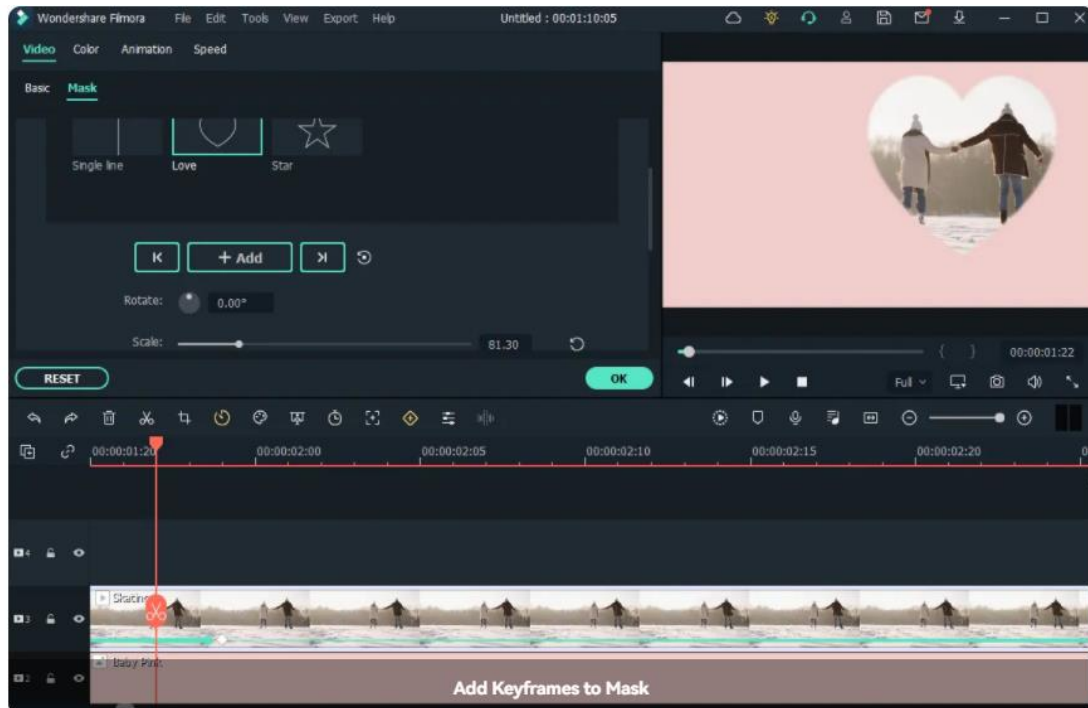
Adjust the Mask

Use the mask handles in the Preview window to resize, reposition or change the orientation of the mask. You can also adjust the sliders in the Mask tab to edit the mask. You can rotate, adjust scale, position, blur strength, width, heights and radius. You can even invert the mask, i.e., the original visible part turns into invisible, and the hidden part get visible.



Add Keyframe to Mask

Move the play head to the position where you want to add a keyframe, and then click Add button to add the first keyframe. Move the mask to a different position, rotate or resize it, or adjust the blur strength to add the second keyframe to get animation effects.



Note:

You can click the SAVE AS CUSTOM button to save the customized mask for future uses, and click RESET to revert the changes to their default.

Preview the Video and Save

Click the Play in the Preview window or press the Spacebar to see how the masked video appears. Click OK in the Masks tab to save the changes.

9.12 Video Snapshot

You can take a photo snapshot in the Preview window when selecting a specific frame on the timeline.

Capture Snapshot in the Preview Window

Select the video in the timeline, click the play icon in the Preview window, and pause when you get to the frame you want to take a snapshot of.

Click the camera icon under the Preview window to take a snapshot.