Temp

The Animation Tab is shown below.This provides the various adjustments and parameters to control animation of objects.


- For Pan and Rotate, adjustments can be made in three planes
    - X,Y and Z for Pan
    - C,Y and X for Rotate
- These adjustments replace the 3D parameters provided in Version 8.
- A new adjustment called Framing is provided (see Framing)
- The Color Correction parameters have been expanded in Version 9 (Color Correction)
- The "Key Frame Time" box shows the time (in milliseconds) of the selected Key Frame

Parameter Controls

Display Mode for Pan and Zoom

Click on the "%" sign or the "100%" sign:

- "%" = Percentage Mode
- "px" = Pixels Mode
- "pt" = Original Points Mode
- "100%" = Full Height of Project Screen
- "Original Pixels" = The Original Pixel Size of the Image
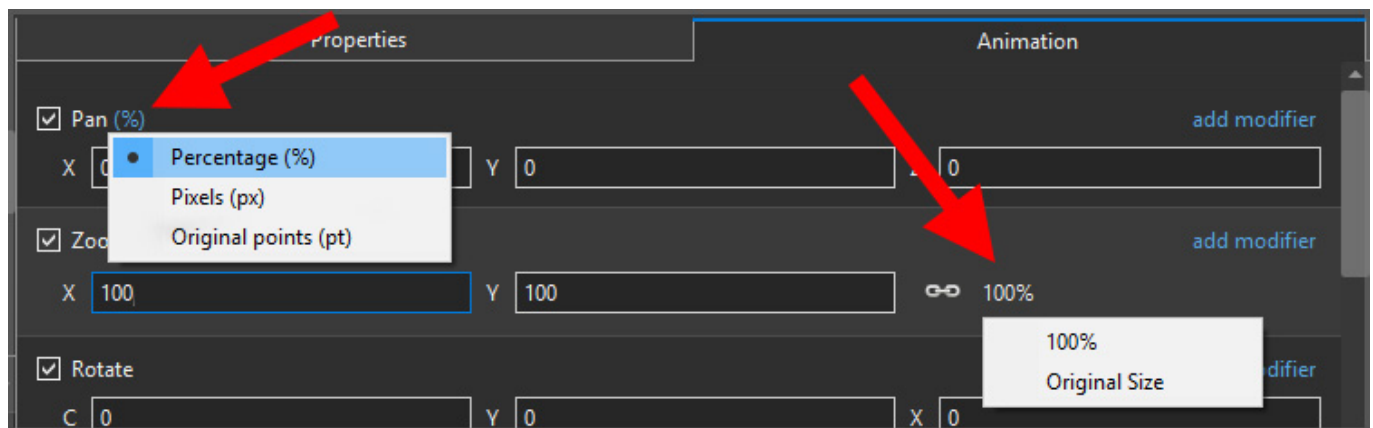
The Illustration below shows a 640×480 rectangle at Original Size in a 1920×1080 Project

- In Percentage Mode:

- The values for "X" and "Y" Pan are calculated for the Centre of the Object/Rectangle with respect to the Centre of the Slide
- The value of the Zoom Parameter is the percentage of the Full Height of the Project Screen (in this case 1080 pixels)
- 480/1080= 0.4444444444 = 44.44444444%
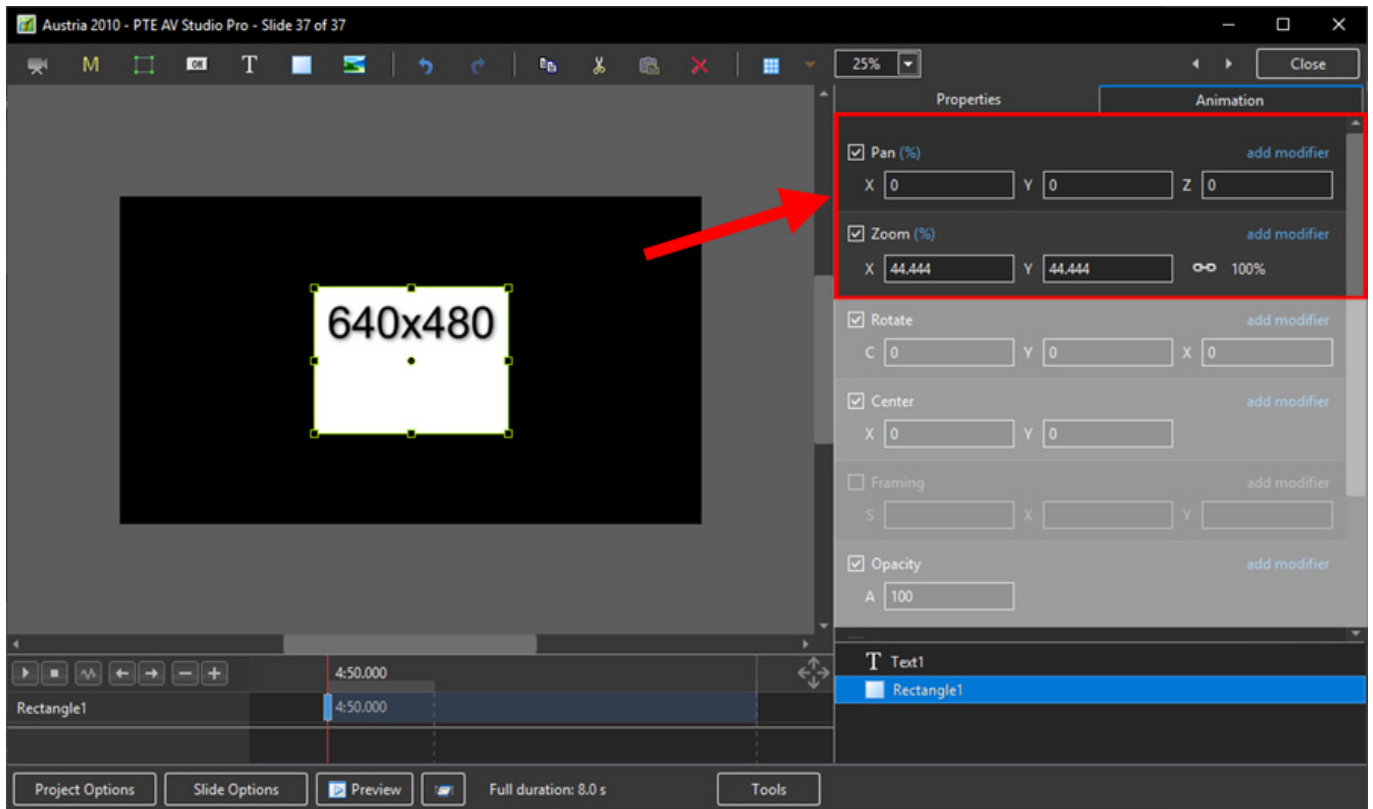
- In Pixels Mode:

- The values for "X" and "Y" Pan are calculated for the Top Left Corner of the Object/Rectangle with respect to the Top Left Corner of the Slide
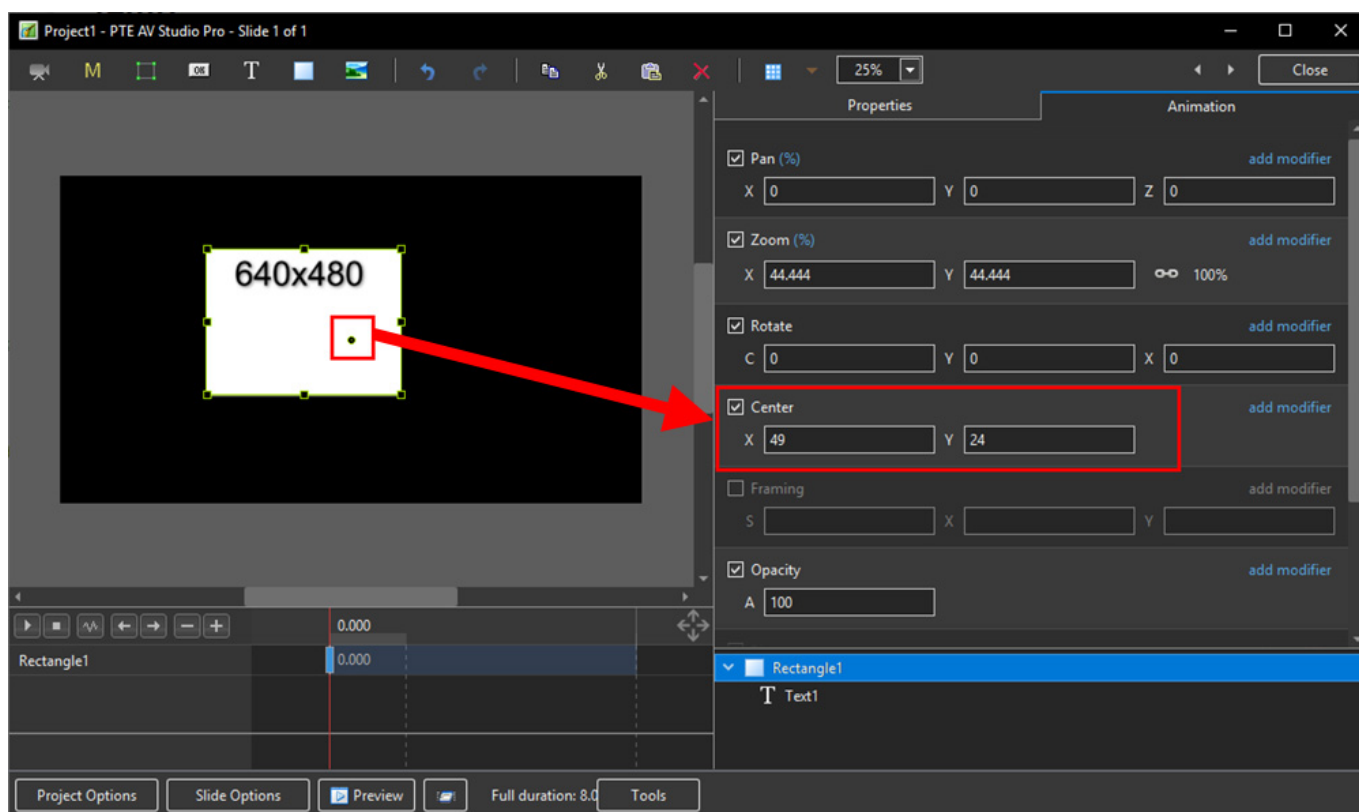- The value of the Zoom Parameter is the Pixel Size of the Object/Rectangle
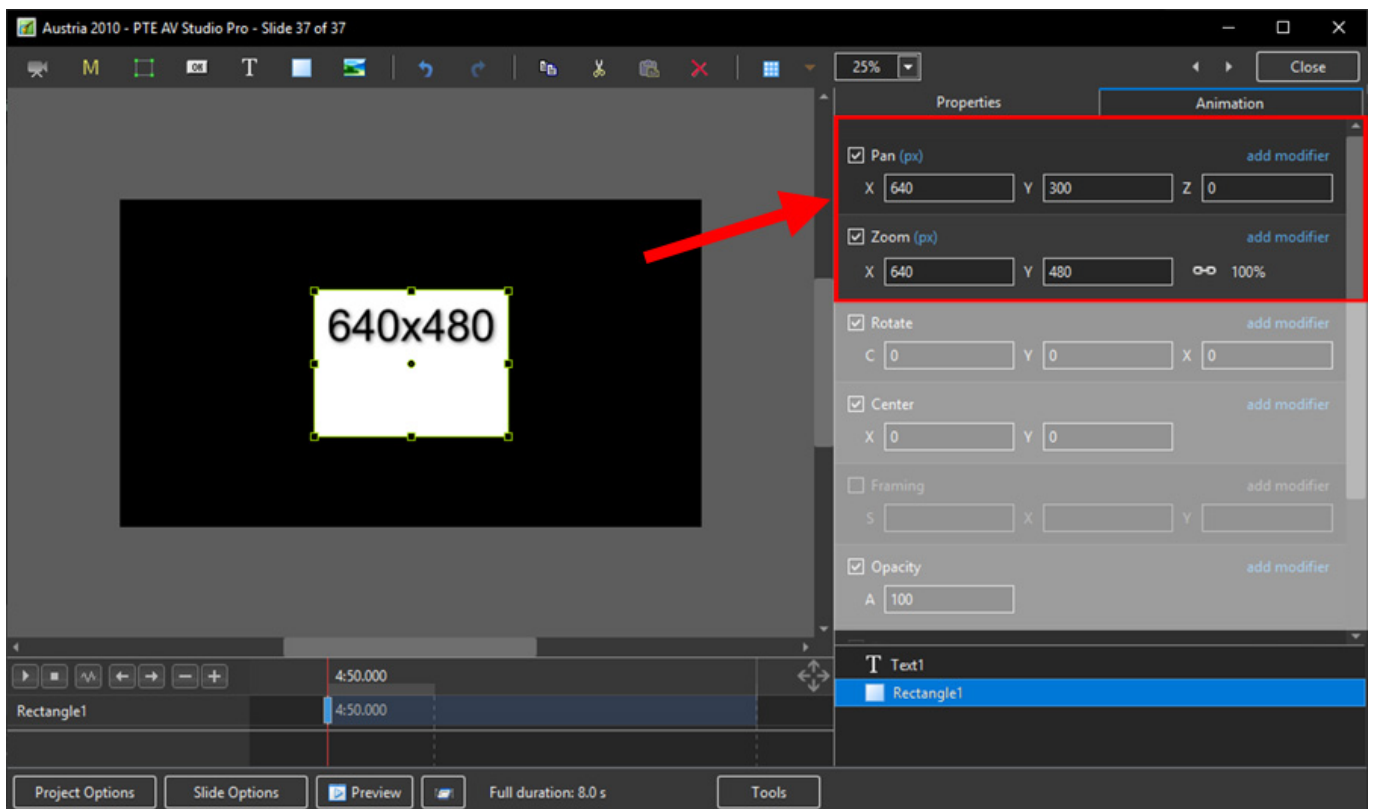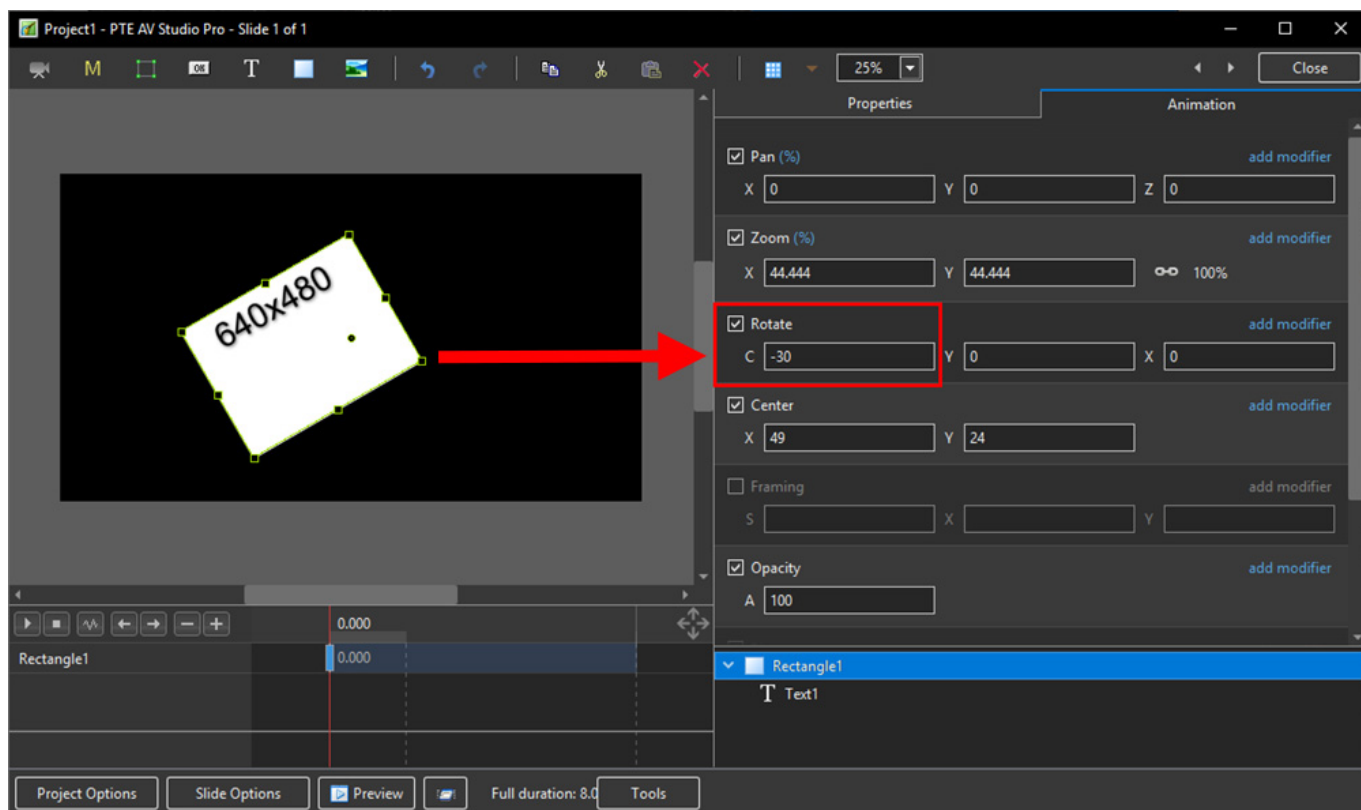

- In Points Mode
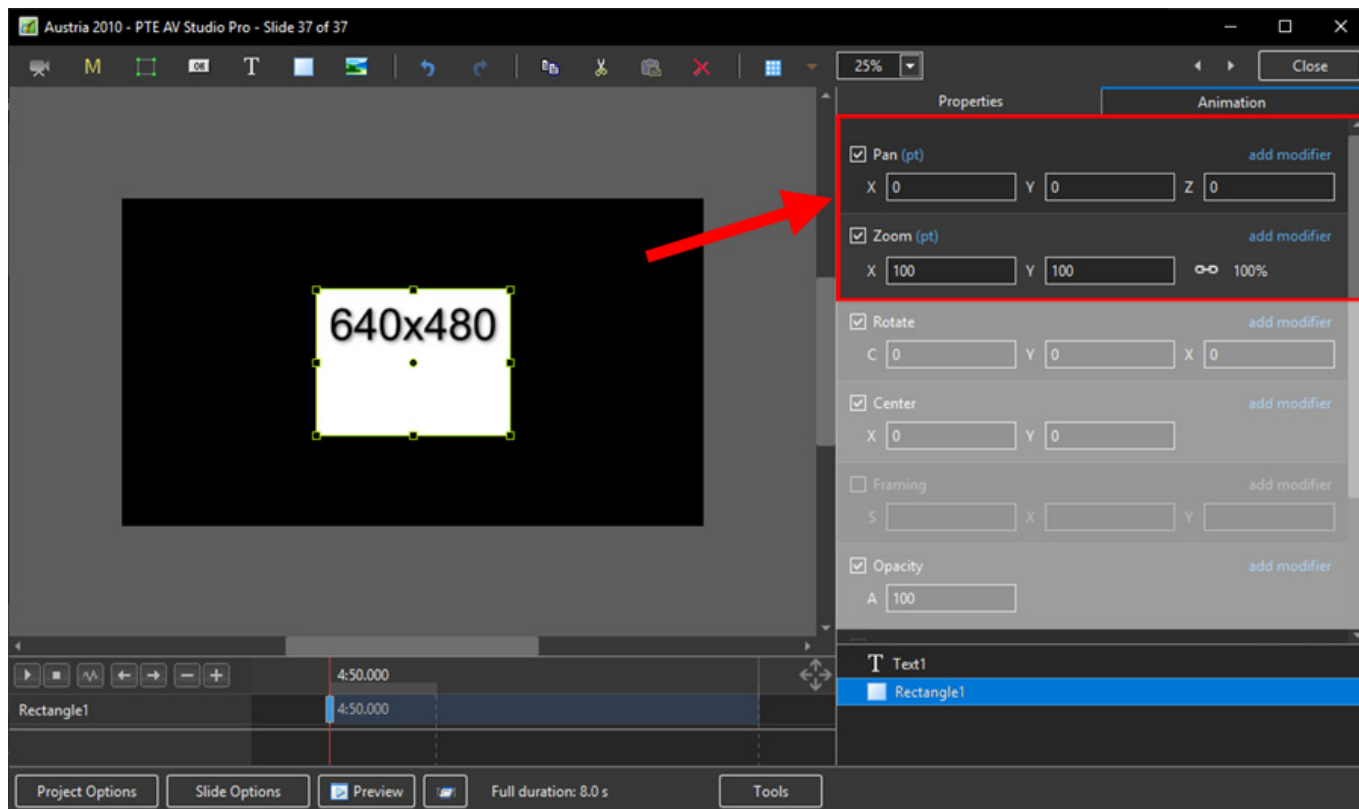
The Centre Control

- The "CENTRE" Control can be used to move the CENTRE or "Point of Rotation" of an Object as shown below:
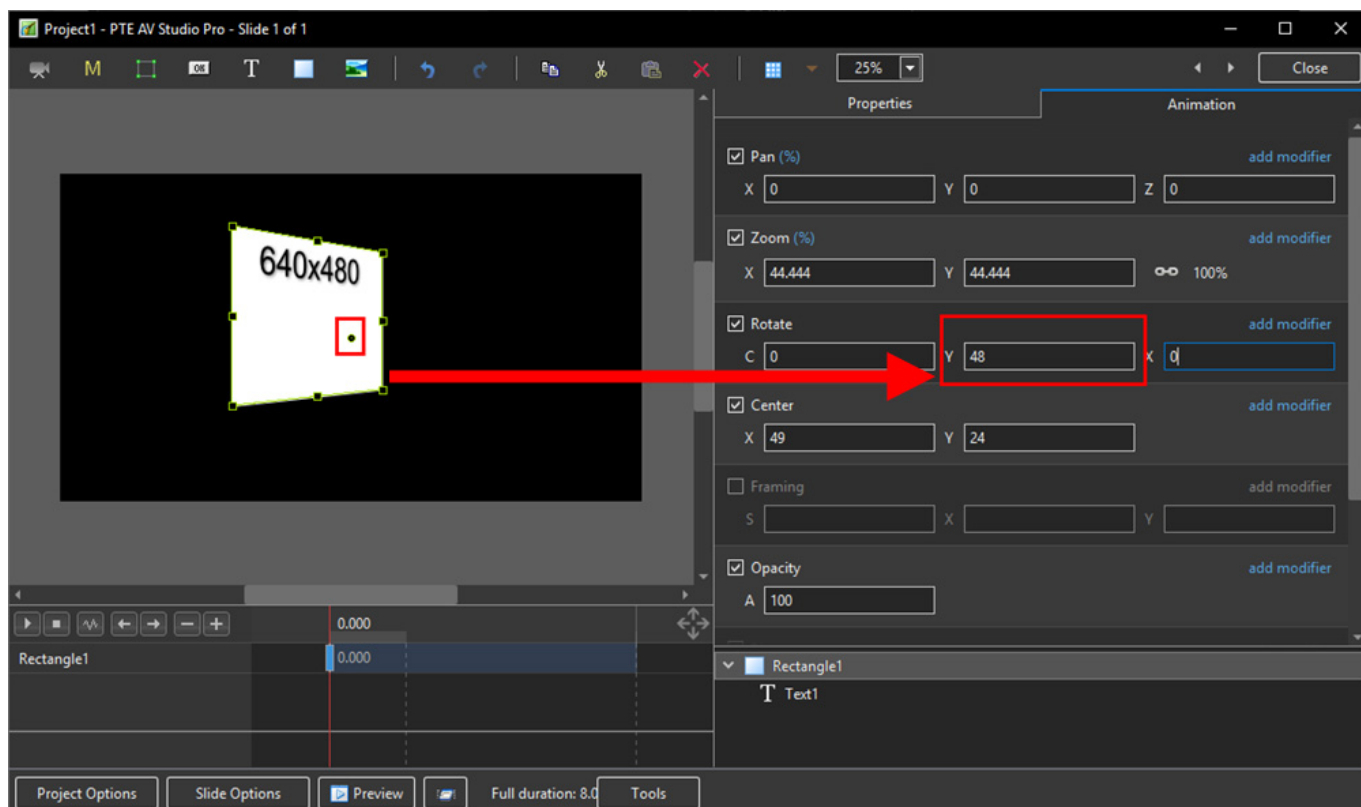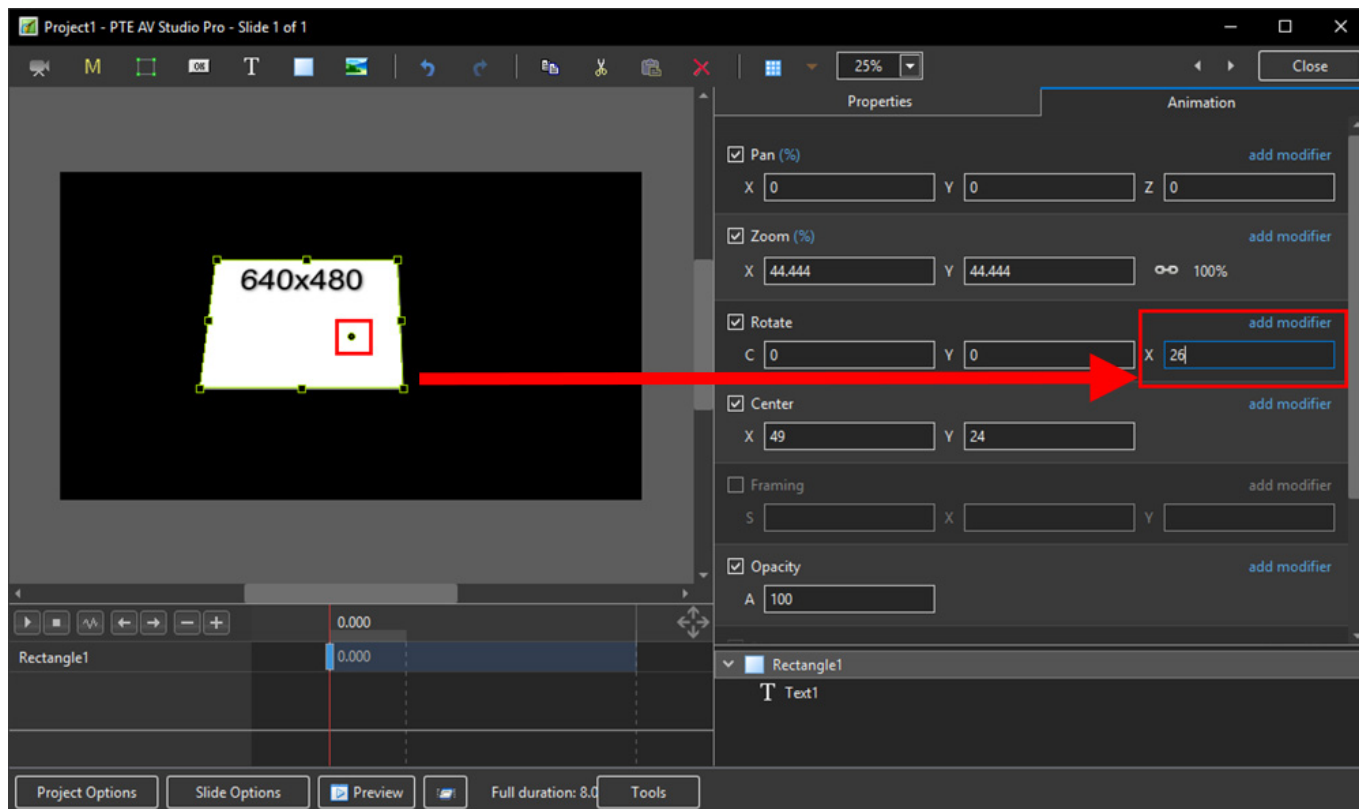
The Rotate Control

- The "Rotate C" Control will rotate an Object about its Centre Point in the same plane as the screen:
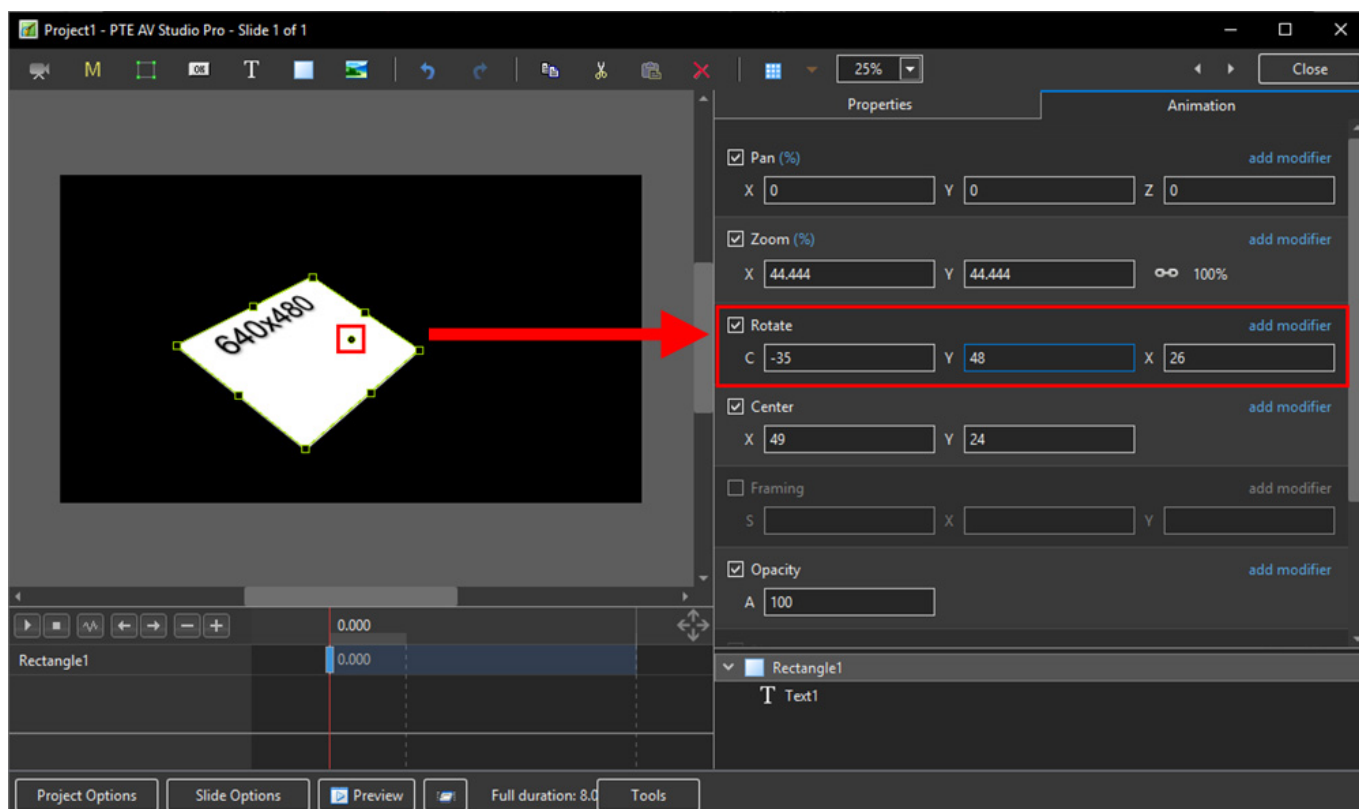

- The "Rotate Y" Control will rotate an Object about its Centre Point in 3 Dimensions Horizontally:

- The "Rotate X" Control will rotate an Object about its Centre Point in 3 Dimensions Vertically:

- The "C", "Y" and "X" Rotate Controls can be used simultaneously:

Framing

- Framing can be used to Pan and/or Zoom an Image within a Frame without modifying the frame itself
- Framing can also be used to adjust an Aspect Ratio mismatch

- In the example below a 4:3 image is shown within a 3:2 frame at 90% of full screen in a 16:9 Project.
- In the default 100% Scaling (S) the 4:3 Image has been "cut off" at the top and bottom of the Image and "Fits" the Width of the 3:2 Frame.
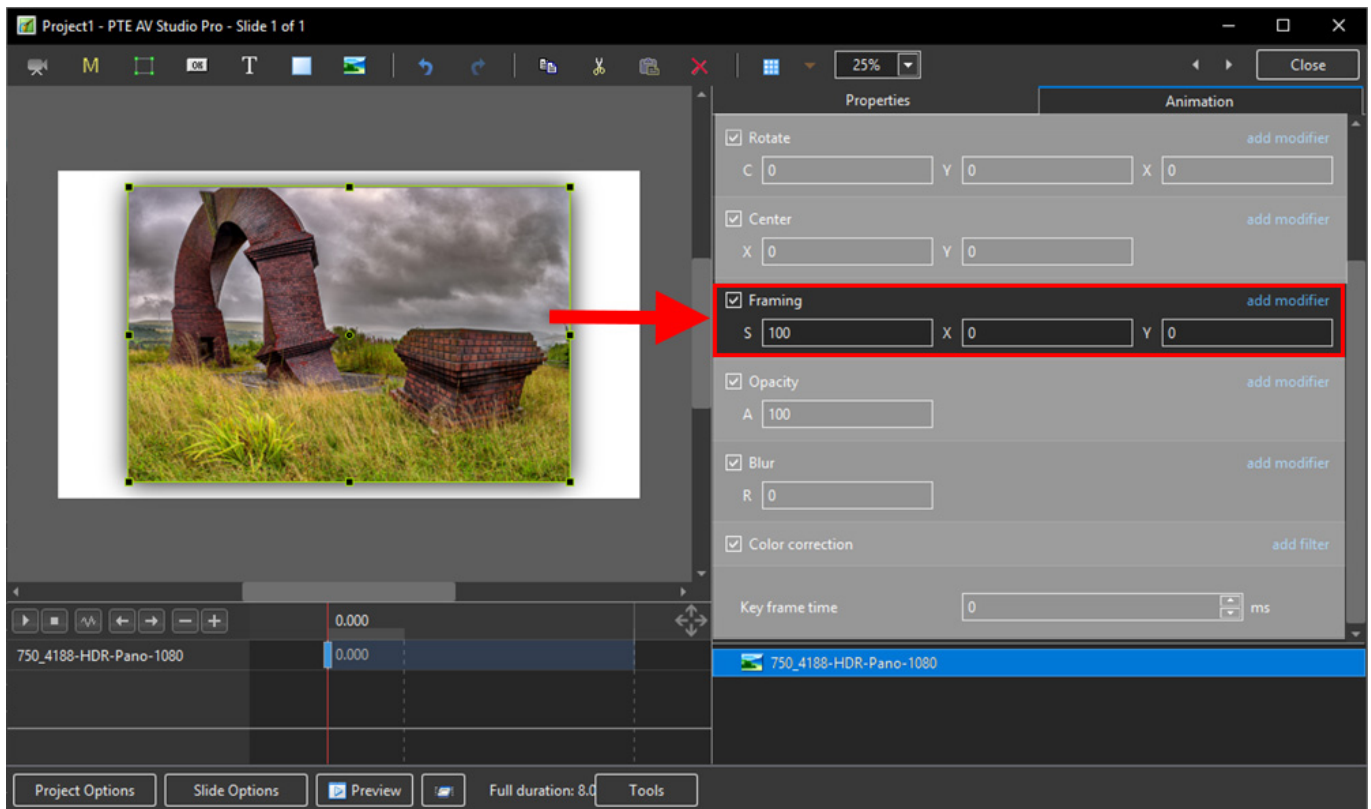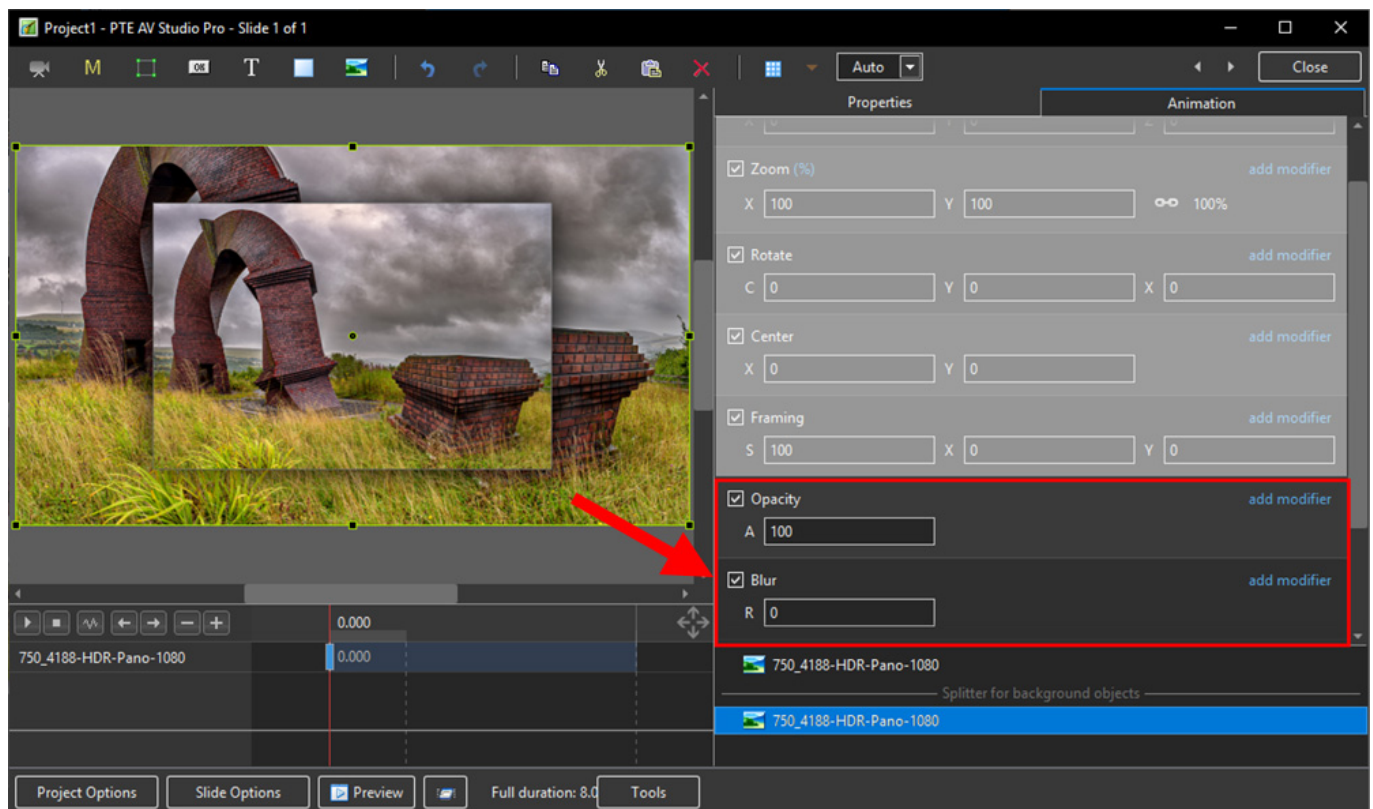

- By adjusting the "S", "X" and "Y" Controls a "Best Fit" composition can be achieved
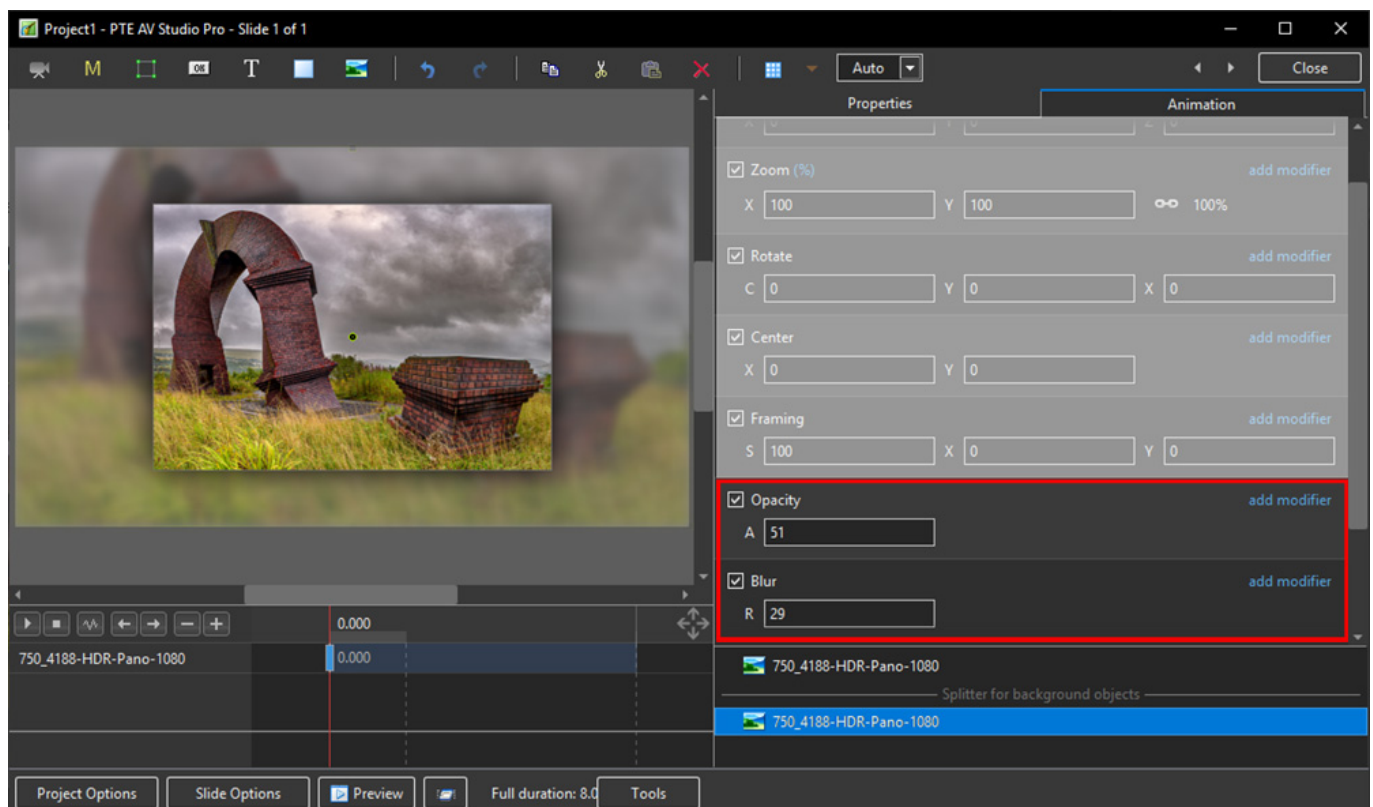- Further Panning and Zooming is possible
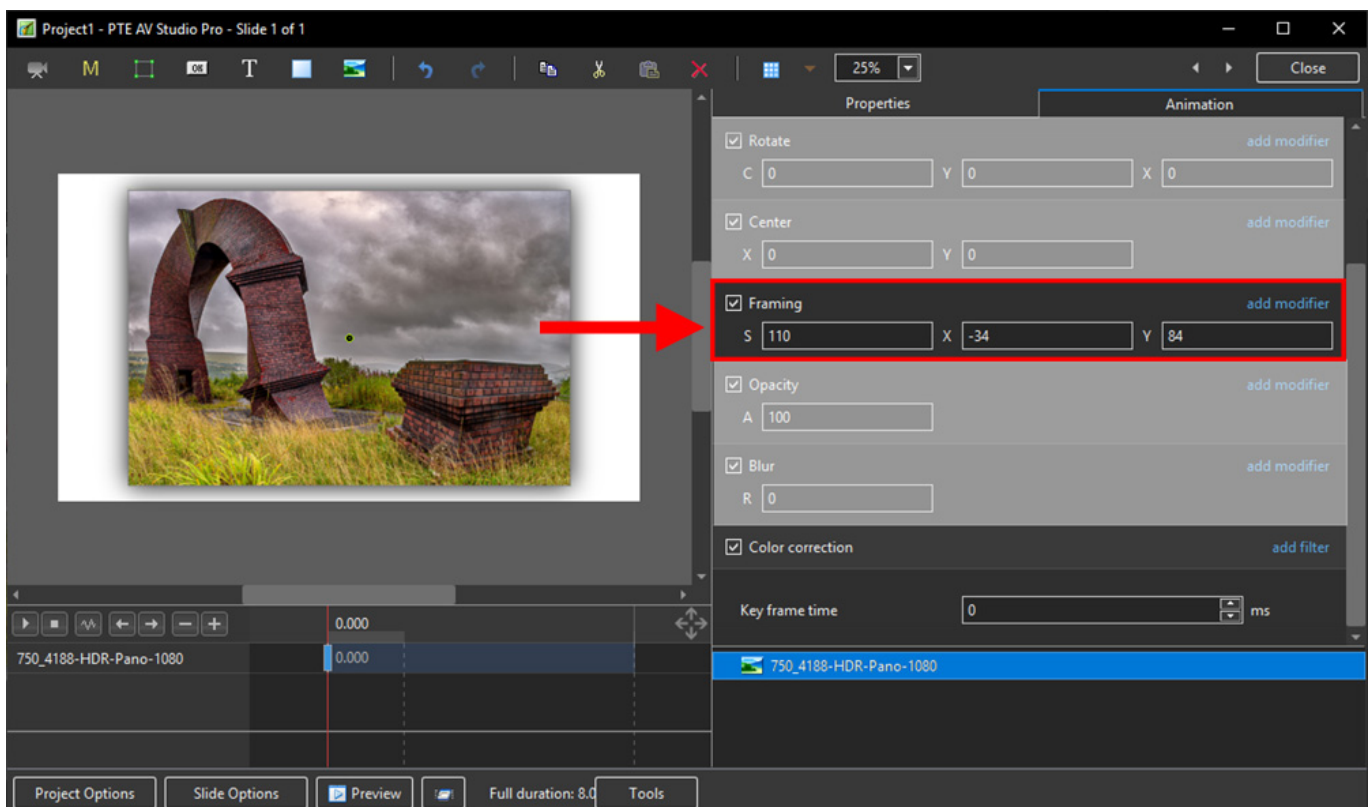
Opacity and Blur

- The Illustration shows Main Image used as a Background Image at 100% Opacity and Zero Blur

- The following Illustration shows the same Background Image with reduced Opacity and a little Blur

Modifiers

- Modifiers can be applied to an Animation of an Object / Image between two Key Frames
- The Modifier is applied to the first Key Fame of a pair of Key Frames defining the animation
- Click on "Modifier"

- The drop-down shows a number of options, the first being Animation Speed

- Acceleration - the animation starts "slowly" and builds up to a maximum
- Slow Down - the animation starts at maximum speed and finishes smoothly
- Smooth - Starts an ends smoothly, with the maximum speed in the middle
- Custom - Linear Acceleration to the Middle of the animation and Linear Deceleration to the finish - a starting point for a Custom Setting
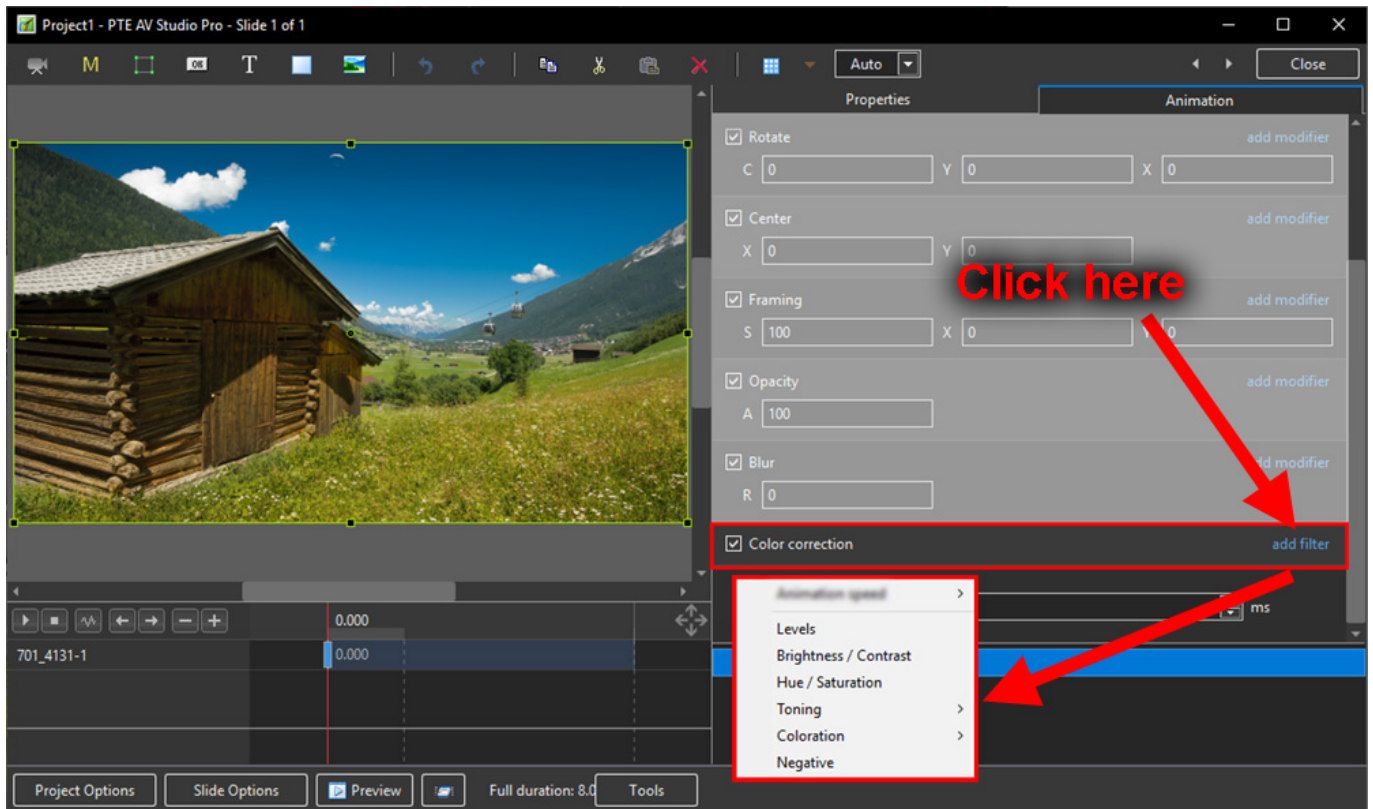
- Pan, Zoom, Rotate etc all have a set of modifiers labelled:
  - Oscillation
  - Jumping
  - Ping Pong
  - Shift

Colour Correction

- Click on "Add Filter" to display a list of available Colour Correction Adjustments:

The available Adjustments are:

- Levels
- Brightness / Contrast
- Hue / Saturation
- Toning
- Colouration
- Negative

Levels

- The Adjustments:
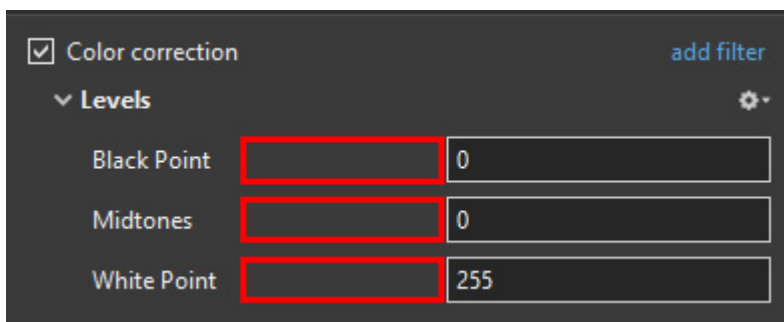
- Click and drag within the area outlined to the Left and / or Right to change the value of the adjustment
- Values can be entered directly via the keyboard
- Increasing the Black Point and decreasing he White Point will apply Contrast to the Object / Image
- Increasing / Decreasing the Midtones will Lighten / Darken the Object / Image

Brightness / Contrast

- The Adjustments:

- Click and drag within the area outlined to the Left and / or Right to change the value of the adjustment
- Values can be entered directly via the keyboard
- Drag to the Left / Right to Decrease / Increase Brightness
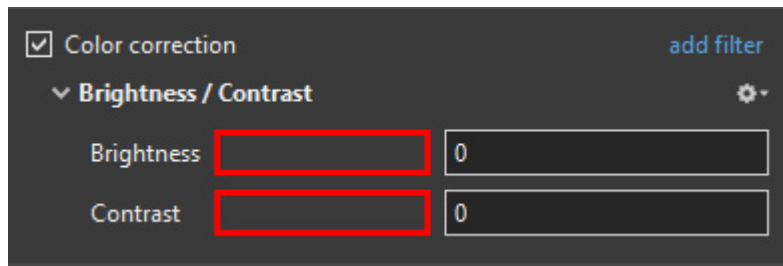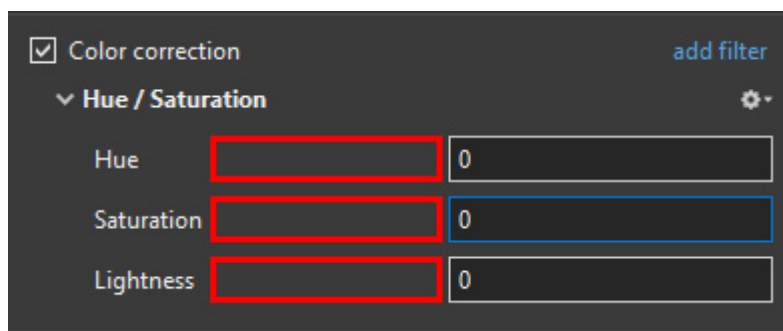- Drag to the Left / Right to Decrease / Increase Contrast

Hue / Saturation

- The Adjustments:

- Click and drag within the area outlined to the Left and / or Right to change the value of the adjustment
- Values can be entered directly via the keyboard
- Drag to the Left / Right to change the Hue
- Drag to the Left / Right to Desaturate / Saturate the Object / Image
- Drag to the Left / Right to Darken / Lighten the Object / Image

Toning

- The Adjustments:
- Choose from Grayscale, Sepia or Cyan
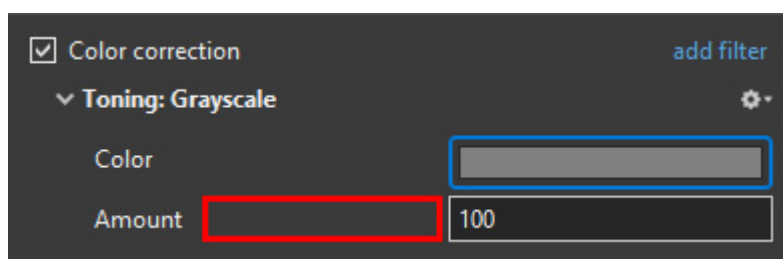
- Click and drag within the area outlined to the Left and / or Right to change the value of the adjustment
- Values can be entered directly via the keyboard
- Click on the Colour /Grayscale to open the Choose Colour Box and change the Tone
- Drag the Amount Slider to the Left to Decrease the Effect

Colouration

- The Adjustments:
- Choose from Red, Green or Blue

- Click and drag within the area outlined to the Left and / or Right to change the value of the adjustment
- Values can be entered directly via the keyboard
- Click on the Colour to open the Choose Colour Box and change the Tone
- Drag the Amount Slider to the Left to Decrease the Effect

Negative

- No Adjustments
- Creates a Negative version of the Object / Image
- Combine with Grayscale Toning or Desaturation to make a Black and White Negative from a Colour Image

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