

# ScaleUp

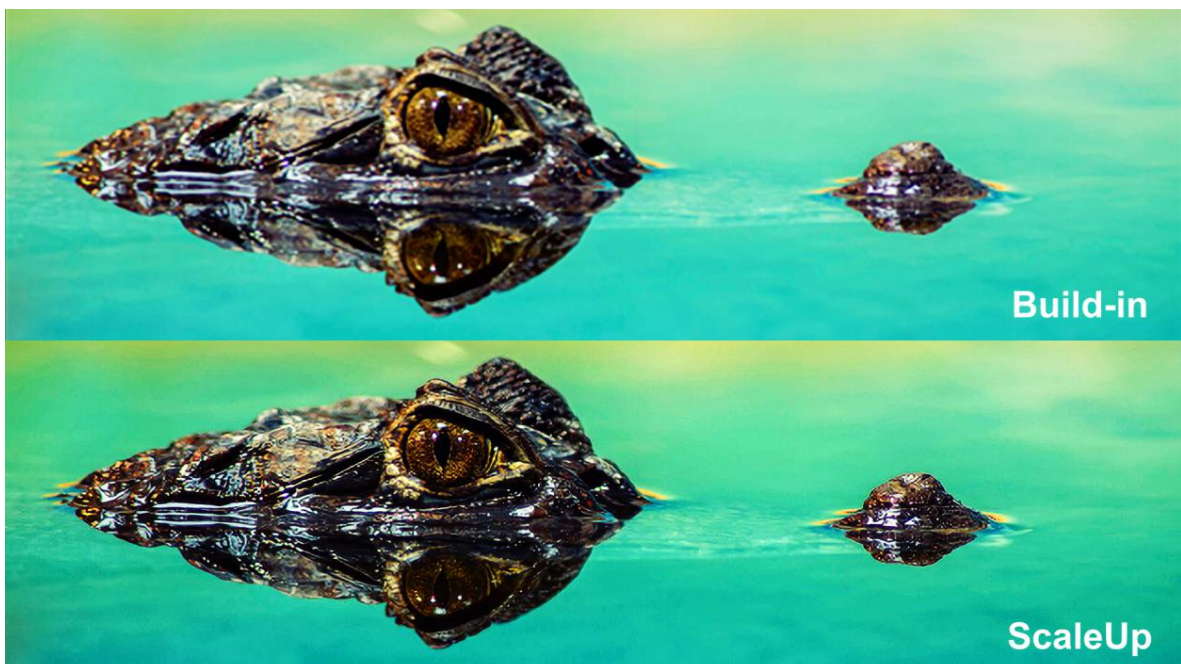
## Vimager

**ScaleUp** is an advanced video upscale plugin, it can enlarge videos by up to 10x with minimal image quality loss.

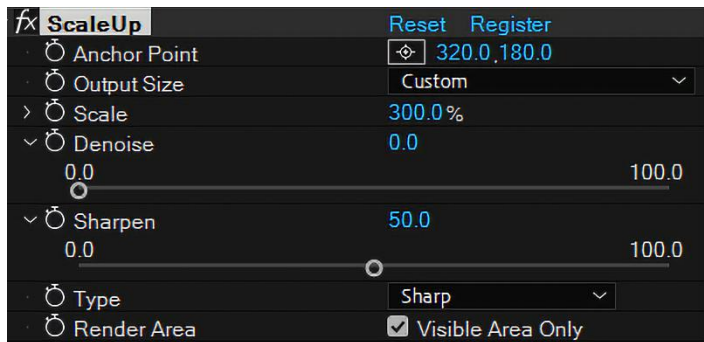
With the AI-powered technology, ScaleUp tool can not only upscale your footage but also enhance the video quality.

To enlarge the image, instead of interpolating the pixels using the traditional bilinear / bicubic methods, intelligent AI technology is used to study and analyze the pixels of large amount of images and clips using neural network to improve the image quality, and reduce the noises, even the block effects in the compressed video. Three AI interpolation modes are introduced for various applications. Fast mode can generate decent results in most of cases with low computation cost. Sharp mode provides better perceptual quality with fine details to make the images look more realistic. Cartoon mode is ideal to upscale cartoon videos, it can preserve and enhance edges while eliminating the compression artifacts.

Moreover, ScaleUp plugin is GPU accelerated for Adobe After Effects and Adobe Premiere Pro, and available for Mac and Windows.



# Panel & Controls (AE)



## ❖Register

Register button (in AE, icon in PR) enables you to register the plugin and check if the plugin is registered. If the plugin is not registered, you will see grid lines overlay, to remove these, you need to put the activation code in the register dialog or register using [manager app](#).

## ❖Anchor Point

The point or the position where the plugin scale the image from.

- ✓ Tip: When scale ratio is 100% i.e. without scaling, move the anchor point to the point in the image, the plugin will scale image from this point after adjusting scale ratio.

## ❖Output Size

Set the output size, includes most of often used options. It will update the scale ratio.

## ❖Scale

Scale ratio, up to 1000%.

## ❖Denoise

Remove the noises and the compression artifacts.

## ❖Sharpen

Increase the image sharpness in an elegant way.

## ❖Type

Interpolation type. There are three AI-based interpolation modes: Fast, Sharp and Cartoon, and two traditional modes: classic cubic interpolation and nearest-neighbor interpolation.

Fast mode requires less computation resources, it can generate decent results in most of cases. Sharp mode aims to provide better perceptual quality with more fine details. Cartoon mode is ideal to upscale cartoon videos, it can preserve and enhance edges and eliminate the compression artifacts.

## ❖Render Area

Only available in After Effects. Enable to render visible composition area only for good performance.

# GPU Requirements

- ❖ GPU with at least 3GB memory. GPU with 4GB memory or more is recommended for processing footage with higher resolution.
- ❖ GPU which supports Vulkan 1.0. For more information, please check [Vulkan wiki](#), refer to Linux part for macOS Vulkan supporting.
- ❖ If the GPU is not supported, ScaleUp will return a green frame.
  - For MacBook Pro, if there are an integrated graphics processor and a discrete graphics processor, and you see a green frame, it is suggested to disable "automatic graphics switching": <https://support.apple.com/en-us/HT202043>.

## Installation

There are two ways to install plugins:

### 1. Using the manager app

The easiest way to install the plugin is using the manager app, for more information please check: <https://aescrpts.com/learn/the-best-way-to-install-plugins-into-after-effects>

### 2. Install manually for After Effects & Premiere Pro:

For Windows:

Copy the unzipped file '**ScaleUp.aex**' to the folder:

***C:\Program Files\Adobe\Common\Plug-ins\7.0\MediaCore\***

For macOS:

Copy the unzipped file '**ScaleUp.plugin**' to the folder:

***Macintosh HD\Library\Application Support\Adobe\Common\Plug-ins\7.0\Media Core\***