

fog

Fog effect allows the user to create a layer of fog, diffusion and mist instantly, without the use of depth maps.

Target Audience

This plug-in is meant for power users who need to relight scenes, animate photos and create mood and particle VFX.

Fog is the visual element that gives distance cues in an image. Adding fog, mist and diffusion instantly is a time saver for vfx and creative color grading.

Depth can be faked for a 2D layer using a depth map. For most 2D images, it is not trivial to create a depth map. Other fog plugins can create the shape of a fog, with some tweaking. It is not possible to create diffusion, scattering, dispersion, mist, variable density and bloom.

Prosyra Fog does not require a 3D comp. It contains an intelligent algorithm that estimates the depth in your scene. It does not require any user-generated depth maps. Fog has multiple components - a noise-based shape, diffusion (the reduction in clarity of objects), scattering (for example different fog color of light and shadow regions), light dispersion (different color fog based on view vector to the light source), mist (the reduction of chromaticity in obscured regions), variable density (different areas in landscape can have different fog density), and bloom (the light scattering effect near blown out areas).

In summary, other fog plugins can provide the shape of the fog. Prosyra Fog provides the fog shape, diffusion, scattering, dispersion, mist, variable density and glow/bloom for a complete illusion.

Also, Prosyra Fog will work with any 2D video and photo. As a result it is released on both Premiere Pro and After Effects.

Value Proposition

Add an adjustment layer above the layers you want rendered, add the Fog plugin and generate an instant fog.

1. Very fast (uses all cores) and easy to use.
2. Extensive presets for different light and shade colours and fog behaviour.
3. Options for fog variability to allow for creative animation and fog shapes.

Qualifying Questions

- Do you wish you could relight a flat, boring video to make it moody?
- Do you want to add greater depth to your scene?
- Do you require options for animation of photos?
- Do you need creative options for your vfx and color grading?

Compatibility

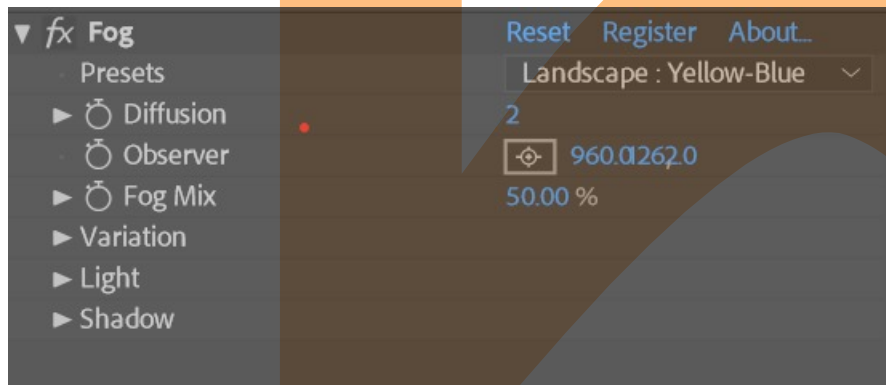
After Effects and Premiere Pro Creative Cloud. Tested with CC 2017, CC 2018, CC 2019, 2020, 2021. macOS 10.12 and above or Windows 7 and above.

Important Notes

This effect works with 8-bpc, 16-bpc or 32-bpc. The optimal usage will require 32-bpc and full resolution. In 32-bpc color, After Effects does not clip the video and allows the user to view any out-of-range data.

The plug-in should be used on an adjustment layer, and additional fog passes can be made by adding other instances on separate layers.

Controls



Fog controls

Presets – Choose between Landscape, City Night, Neon Street, Film Look, Mars Twilight, Gas Planet, Purple-Red and Pink-Green.

Diffusion – Choose the level of diffusion between 1..3 - the default of 2 works for most fog diffusion levels.

Observer – The effect estimates the z-depth and one of the parameters require the location of an observer. The image will be clearer, closer to the observer.

Fog Mix – The fog has a bloom component in the highlights and a fog component in the shadows. 0% will expose the bloom and 100% displays the shadow fog.

Variation -> Factor – Select from x : y : x,y : observer distance : light distance : observer distance,y : light distance,y. These options select various algorithms to create variation in the fog density.

Variation -> Strength – Value between 1..100 to select the strength of the variation. 10-20 offer a good range of values for most fog effects.

Variation -> Opacity – Blend value for the fog variation.

Light -> Source – The bloom in the highlights requires a light source. The user must select the location of the light source based on the scene. For an outdoors scene, the sun can be fixed just out of frame. For an indoors scene, this is the location of a street lamp, light bulb or fluorescent tube.

Light -> Decay – Choose between None, Square, Cube or Fourth Power. This denotes the inverse decay factor for the intensity of the light source. In reality, intensity decays using an inverse square law. For practical applications, select None.

Light -> Tint – Choose the color of the fog in the highlights.

Light -> Bloom threshold – Above this threshold, a bloom effect is created.

Shadow -> Decay – Choose between None, Square, Cube or Fourth Power. This denotes the inverse decay factor for the diffusion of the image based on depth. Start with None and then reduce to Square, Cube, etc.

Shadow -> Tint – Choose the color of the fog in the shadows.

Installation

The easiest way to install and license is by using aescritps+aeplugins manager app:

<https://aescritps.com/learn/aescritps-aeplugins-manager-app/>

After Effects plug-ins will have a plug-in .aex file or .plugin bundle and a pdf for documentation. The installer will extract .aex file or .plugin bundle to the mediacore directory – **\$mediacoreplug-ins\Prosya\<Plugin Name>** and the pdf to **\$userhomefolder/Documents/Prosya/<Plugin Name>**

In windows – **\$mediacoreplug-ins** can be **C:\Program Files\Adobe\Common\Plug-ins\7.0\MediaCore** and **\$userhomefolder/** looks like **C:\Users\<User Name>** On a Mac, **\$mediacore** can be **/Library/Application Support/Adobe/Common/Plug-ins/7.0/MediaCore/**

After successful install, Prosya plug-ins will appear under the Prosya folder inside the 'Effects' menu or under the 'Effect & Presets' tab in After Effects. If automated install does not work, try the manual installation. Manual installation also works if the plug-in is distributed as a .zip file.

Install 7-zip or any similar unzip utility. Right Click on the .zxp and click 7-zip->Open Archive.

a. Windows Install

Double-click on **Win/** directory to view the .aex file. Extract .aex to the mediacore directory - **C:\Program Files\Adobe\Common\Plug-ins\7.0\MediaCore**

The "7.0" in the file path may differ on your setup; the steps are the same regardless. Double-click on **Docs/** directory to view the .pdf file. Extract .pdf file to the Documents directory

b. Mac install

Double-click on **Mac/** directory to view the .plugin bundle Extract .aex to the mediacore directory - **/Library/Application Support/Adobe/Common/Plug-ins/7.0/MediaCore/**

You can copy/paste that file path into the Go > Go to Folder... menu of Finder. The "7.0" in the file path may differ on your setup; the steps are the same regardless. Double-click on **Docs/** directory to view the .pdf file. Extract .pdf file to the Documents directory

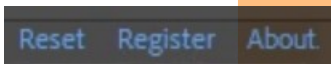
Activation

By default, all our software is downloaded as a trial version. In some cases, a watermark is seen. In other cases, certain functions are greyed out for renders beyond 720P resolution. To activate, you need to purchase a license key from the online store or a reseller.

The watermark can be a geometric pattern or a text – Trial Version.



Click on Register.



A wizard will pop up. Enter your license key and click Activate.

If successful, the confirmation window will show the appropriate message.

If necessary, restart After Effects and clear the media cache. The plug-in will now function. Click on Register to display the license status. Click Deactivate to deactivate your license.