

Neat Video quick start guide

1. Installing the plug-in

To install the Neat Video v4 plug-in for Edius

1. Make sure you have started Edius at least once before installing the plug-in. If you have not done it yet, start Edius and exit it;
2. Close Edius;
3. Download the EXE installer of Neat Video ;
 - if you already purchased the product and have a current license for the Home or Pro plug-in, please use the download instruction supplied with the license to download the corresponding plug-in from the download area specified in that instruction;
 - if you want to try Neat Video before purchase please download the installer of the Demo version from this page: <https://www.neatvideo.com/download>
4. Double-click the downloaded EXE file to start the installer;
5. Follow the steps of the installer wizard to complete the installation process.
Make sure the installer finds the location of your version of Edius in the **Additional tasks** step of the installation process. If necessary, manually specify the location of Edius' **Plug-ins** folder there. For example, the location of that folder in Edius v9.x is:
`C:\Program Files\Grass Valley\EDIUS 9\PlugIn\`
6. Start Edius and find **VideoFilters | Neat Video v4** in the Edius' **Effect** folder.

If Neat Video has **not** become available in Edius, please contact Neat Video support for assistance.

2. Running Neat Video on a sample video clip

There is a test-kit prepared to help you start using Neat Video. You can download the test-kit via this direct link: <https://www.neatvideo.com/project/resources/testkit.zip>.

Having downloaded, please unzip it to a new folder on the hard disk.

The test-kit includes a sample video clip: *SampleClip.mpg*. This is a typical video clip captured by a digital video camera in high-gain mode. Some technical information about the sample clip is available in the *SampleClipInfo.txt* file.

Please start Edius and go through the steps below to clean the clip using Neat Video:

2.1. Add the sample clip to the project

1. Configure a new project in Edius

- Create a new project in Edius and select the “HD 1920x1080 25p” template.
Edius will then open the new project with the **Timeline**, **Player window** and other windows.

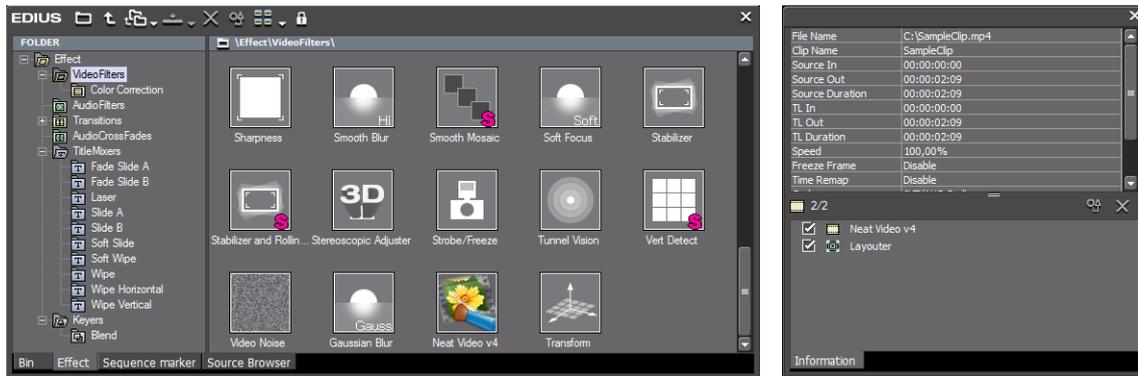
2. Add the sample clip file to the project

- Use the **File | Add Clip...** menu in Edius to import the *SampleClip.mpg* file into the project.

3. Add the sample clip to the sequence

- Drag and drop the sample clip from **Player window** to the **Sequence 1** in the **Timeline**.
You will see that there is strong noise in the sample clip (in the preview window). The task of Neat Video is to reduce this noise.

2.2. Add Neat Video



- 1. Go to the **Effect** tab, then navigate to **Effect > VideoFilters > Neat Video v4**.
2. Drag and drop **Neat Video v4** from there to the clip in the timeline.

Edius will add the effect to the clip, you will see a new line **Neat Video v4** added in the **Information** tab.

Important: Check the order of effects in the **Information** tab. Make sure **Neat Video v4** goes first there and stays above **Layouter** as shown in the image above. Manually drag **Neat Video v4** to the top there if necessary.

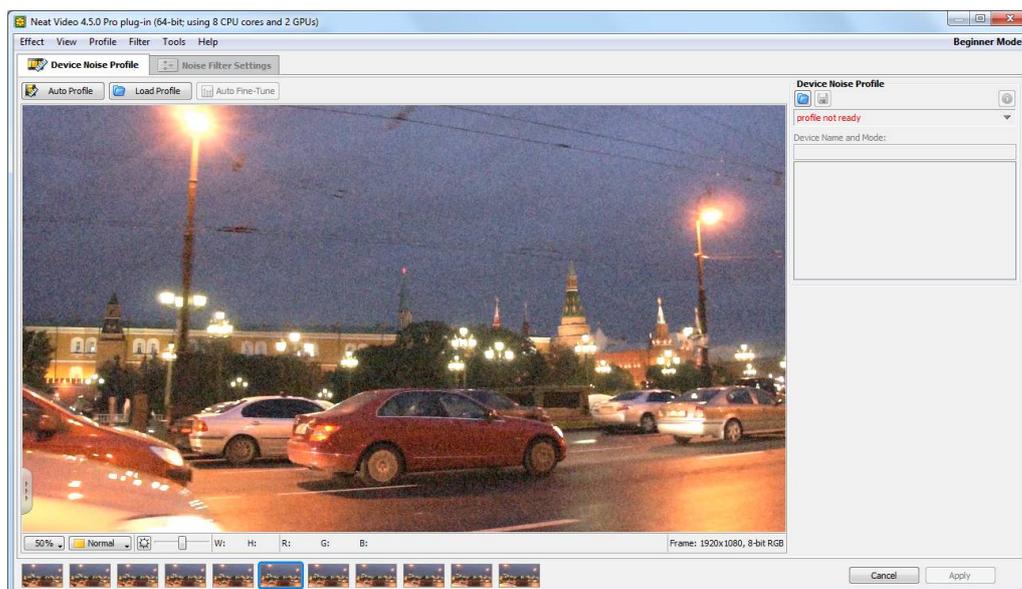
2.3. Configure Neat Video

1. Open Neat Video plug-in window

- Use the timeline controls to select a frame with large flat featureless areas; the selected frame will be used for noise analysis in the next stages.
- In the **Information** tab, select the **Neat Video v4** line and click the **Open Setup Dialog** button (or just double-click the **Neat Video v4** line) to open the **Neat Video plug-in** window.

(If you run the Demo plug-in, click **OK** in the popup splash screen of the plug-in to proceed further.)

The **Neat Video plug-in** window will open and display the current frame from the clip.



2. Build a noise profile for the clip

To reduce noise in this frame and in the whole clip, Neat Video generally needs a noise profile describing the noise properties of the clip. You can prepare such a profile using the **Auto Profile** function:

- In the **Device Noise Profile** tab  **Device Noise Profile** click  **Auto Profile**

The **Auto Profile** function will find and select an area for main analysis. Neat Video will then automatically analyze the noise in that area to build a new noise profile.

Neat Video is then ready to filter the sample clip.

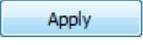
3. Check preview

- Switch to the **Noise Filter Settings** tab  **Noise Filter Settings**

You will notice that Neat Video has already applied noise reduction based on the default filter settings and the preview shows a clearly visible difference: there is less noise than in the original frame.

You can try to adjust the filter settings and see how that affects the results. For example, try to adjust the **Temporal Filter > Radius** setting (in the **Temporal** tab in the **Filter Settings** box in the right part of the window) from 2 to 1 or to a higher value. This will apply weaker or stronger temporal noise reduction to the frame.

4. Apply the changes

- Click  **Apply** in the bottom of the plug-in window.

Neat Video will save the current settings and close its main window.

(If you run the Demo plug-in, it will also describe the limitations of the Demo version at this point.)

2.4. Render the clip

- Use the **Render** menu in Edius to render the clip.

Edius will then apply Neat Video noise reduction to the whole sample clip to help you evaluate the filtration results (and adjust the filter settings if necessary). You will see that the noise in the resulting clip is significantly reduced while the true details are preserved.

You can also find that the resulting noise-free clip can be compressed better (the file size is smaller) than the original noisy clip (this depends on Edius' compression settings).