

# Neat Video v4

May 5, 2015

**ABSoft is proud to present the next generation of its Neat Video noise reduction tools**



EINDHOVEN, NL, May 5 – Neat Video team, ABSoft, announces the 4<sup>th</sup> generation of its noise reduction solution for digital video, bringing the traditionally superior performance of Neat Video to a new level.

Renowned for its noise reduction quality, Neat Video is used by professional filmmakers, videographers, editors and many other media production professionals as well as numerous amateurs and home users all over the world as a tool that turns grainy and noisy footage into clean and neat video clips ready for demonstration or further editing.

The heart and soul of Neat Video — its state-of-the-art noise reduction algorithms — have been greatly enhanced in version 4. In particular, the quality of filtration is now much higher in difficult and special conditions such as scenes with changing luminance or chrominance (fade in/out, camera auto gain control) and clips with repeated frames produced in Slow Shutter or similar shooting modes. A new dedicated Dust and Scratches filter reduces defects affecting individual frames in old films, damaged VHS tapes, air-transmitted analog TV signal, etc. Another important addition is an Artifact Removal filter, which deals with several types of digital artifacts typically created by in-camera noise reduction and compression or introduced during post-processing. The Sharpening and Edge Smoothing functions in Neat Video v4 produce better results too.

Years of Neat Video team's experience combined with very helpful feedback from Neat Video users have resulted in numerous workflow optimizations and interface improvements in Neat Video v4. These include the new set of filter settings restructured for better navigation and flexibility, improved and optimized preview showing the combined effect of all used filters, variants of filtration to compare previews produced with different filter settings, a new set of filter presets to solve typical noise reduction tasks and many other improvements.

## Background

Since the beginning of the digital imaging era, digital noise and digitized film grain have always been unwelcome parts of many digital photos and videos because of imperfect physical nature of the underlying light-capturing processes. Despite continuous efforts of the hardware manufacturers to improve those processes, output of all existing capturing equipment is still suffering from noise. To address this problem, ABSoft initially released Neat Image software in 2001, which greatly improved the visual quality of noisy high ISO digital photos and scans of grainy film by reducing the objectionable noise and grain and at the same time preserving the true image details. Then in 2005, ABSoft introduced Neat Video — a product which combined the use-proven algorithms of noise reduction for still images with new specialized algorithms for video processing.

Neat Video is designed to tame noise in moving image, where the noise elements distract viewer attention, create false movements, complicate post-processing, reduce efficiency of video compression and consume extra bandwidth. Using Neat Video helps to resolve these problems to a considerable degree.

Neat Video has immediately become a tremendous success and is now considered a must-have tool by many media production professionals as well as amateurs. The top quality noise reduction delivered by the product has been made possible by combining advanced temporal and spatial filtration with the noise estimation algorithms relying on device noise profiles — an analysis of noise properties of a video capturing device. Knowing the noise properties of a video capturing device allows Neat Video to draw an accurate distinction between noise and details in footage produced by the device and therefore better preserve details while reducing the noise.

## Pricing and Availability

Neat Video v4 is available as plug-ins for a variety of video editing applications including After Effects, Premiere Pro, Final Cut Pro, Media Composer, Nuke, Scratch, DaVinci Resolve, Mistika, Fusion, Vegas Pro, Edius, Magix and more.

Neat Video v4 is available in three editions: free Demo plug-in with limited functionality, Home plug-in supporting video of up to Full HD resolution (non-commercial use only; \$74.90), and Pro plug-in capable of processing video of any frame size (may be used for commercial purposes; \$99.90 or \$249.90 depending on plug-in).

Bundles of two or more Neat Video v4 products as well as multi-user licenses are available with volume discounts.

## Upgrading from older versions

Licensed users of older versions of Neat Video can upgrade to Neat Video v4 using a special upgrade offer. For more information please visit <http://www.neatvideo.com>