

BCC DeNoise Filter

The BCC DeNoise filter removes unwanted pixel noise from an image. DeNoise is especially useful when working with archival materials, as it lets you correct dark areas that show artifacts from film emulsion or video compression. You may also want to use the BCC DeNoise filter when resizing 4:3 images to 16:9 aspect ratio.

The BCC DeNoise filter distinguishes between moving areas and areas that are static. This allows the filter to selectively remove noise only from static areas. This preserves the full detail of areas that are in motion.

DeNoise uses temporal and spacial smoothing to eliminate the artifacts, based on alternate frames in the video. Since the smoothing algorithm is based on a sequence of frames, it is difficult to show the effects of this filter in a still image.

The PixelChooser is especially useful for this filter. If the DeNoise filter removes too much detail, you can selectively remove noise from a specific channel or area of your image.

Value Range determines how much noise is removed from the image. Higher values remove more detail from the image.

Mix with Original blends the source and filtered images. Use this parameter to animate the effect from the unfiltered to the filtered image without adjusting other settings, or to reduce the affect of the filter by mixing it with the source image. At a value of 0, the image is unaffected by the filter.

The PixelChooser Parameter Group

The PixelChooser is included in many Boris filters and provides several methods to selectively filter an image.



For more information on the PixelChooser, see Chapter 10, “The PixelChooser” in the User Guide, or open the help file for the standalone PixelChooser filter.