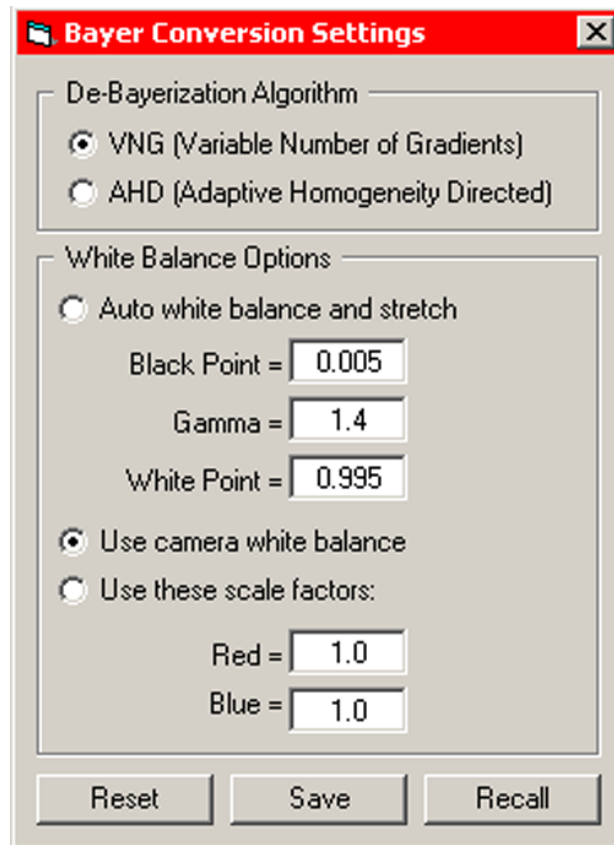


DSLR Conversion Settings

Allows you to determine how raw DSLR Bayer array images are converted to color. (Preferences>DSLR Conversion Settings)



A raw image from a digital single-lens reflex (DSLR) camera consists of a matrix of filtered pixels called a Bayer Array which AIP4Win converts into a color image when you open it. This dialog allows you to control how the conversion takes place. You are provided with the following options:

De-Bayerization Algorithm Select the the algorithm used in converting a Bayer-array image to a color image.

VNG Variable Number of Gradients is considered the Cadillac of de-Bayer algorithms, reducing interpolation artifacts such as jagged edges. It takes a bit longer to run.

AHD Adaptive Homogeneity Directed is an alternative de-Bayer algorithm that generally produces excellent results.

Camera White Balance Select the method used to determine the white balance that will be applied to camera raw files.

Auto White Balance and Stretch Determines the white balance using AIP4Win's automatic white balance algorithms.

Black Point Enter the low-point value to use in automatic white balance. Normal values range from 0.0001 to 0.01.

Gamma Apply gamma correction to the luminance of the image. Normal values range from 1.8 to 2.2.

White Point Enter the high-point value to use in automatic white balance. Normal values range from 0.99 to 0.9999.

Use Camera White Balance Use the color balance set in your camera at the time the image was taken. **For most astronomical imaging, the best camera white-balance setting is Daylight.**

Use these Scale Factors Use the red and blue values entered in the text boxes below.

Red Multiply the red channel by this coefficient.

Blue Multiply the blue channel by this coefficient.

Reset Restores reasonable default values.

Save Saves your settings in the Registry, i.e., the next time AIP4Win starts, it will use these settings.

Recall Recalls previously saved settings.

IMPORTANT: These settings are active only at the time you open a DSLR raw-format image. Once the image has been opened, changing these settings has no further effect on the image. These settings are applied when you open a single image or when you open images using the Multi-Image Auto-Process Tool.