



16. MonoChrome mode



MonoChrome mode of JENOPTIK GRYPHAX[®] software

The “**MonoChrome mode**” of JENOPTIK GRYPHAX software enables user to convert a color image preview to a grayscale or monochrome (black & white) image.

General description:

The “**MonoChrome mode**” is part of the JENOPTIK GRYPHAX software. It is available for all color cameras to become details more visible. This mode provides manipulation to convert a color image to a grayscale or *monochrome* (black & white) image. It is applied for live preview from camera and to recorded images.

MonoChrome mode applied at live preview from NAOS color camera:





16.1 Start MonoChrome mode:

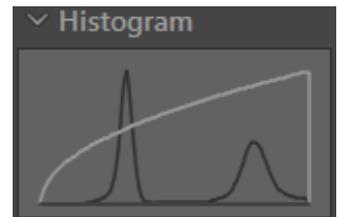
To **activate** the *MonoChrome mode* open the tool bar by pressing the arrow  on right-hand software site or use keyboard short cut (**ctrl / cmd + T**)

Click to the *MonoChrome mode* icon  at the tool bar, the color image preview will be converted into grayscale or monochrome (black & white) image.



Additionally, the Histogram **changes** to grayscale mode and display image information as monochrome image.

Note: *MonoChrome mode* is enabled only if any record mode like “Single shot” is selected and live image is activated before. It cannot applied to already recorded images from Gallery afterwards.



Start & save converted images:

To **start** - select record mode e.g. “Single shot” and **start live** by pressing the “Live”-button .

Press *MonoChrome mode* icon  at the tool bar to activate image converting.

By **pressing** “Rec”  button converted color to greyscale image will be saved to pre-selected destination folder and will be visible at software Gallery. Recorded converted images cannot be modified back to color images afterwards.

Note: By using *MonoChrome mode* the images will be saved as single channel greyscale images. The file size is **reduced threefold** depending to selected file format.

16.2 Deactivate MonoChrome mode:

To **deactivate** *MonoChrome mode* by pressing “*MonoChrome*” button  again, colored image preview will be displayed again. Histogram change back to RGB mode to display each color channel separately.

Limitations:

- *MonoChrome mode* is available for color cameras only.
- *MonoChrome mode* is not available during Fluorescence mode session
- *MonoChrome mode* can be enabled only if record mode “Single shot”, “Time-lapse” or “Video” is selected and live image preview is activated before.