

VISUCAM 224/VISUCAM 524 - Settings

Information on software settings via Tools - Settings - Image capture

In Image capture window

Auto flash correction factor: -22 to +22 (for Color) - will differ from capture mode to capture mode, in general a range of 44 steps
Auto flash on (set to 0) determines automatically the right flash level needed to acquire well illuminated images.

Manual flash light level: 1 to 16 (Color, Green (red free), Red, Blue)
1 to 24 (FA, AutoFluo, ICGA)



When using manual flash, the flash level used for the last image of a patient will be set as the default for all OD and/or OS images of the same patient after changing between OD/OS, and also as initial value for the new visit of the next patient.

Color profiles in Color capture mode

Saturation

The level of color intensity ranges from -3 (low) to +3 (fully saturated color).



When using different, but fixed flash levels, a low saturation level is useful to prevent glare. At 0 there is no change. Only whole numbers are accepted for setting changes.

Contrast

Adjustment of light intensity.

Values below 0 reduce the contrast, values above 0 increase it. At 0 there is no change. Only whole numbers are accepted for setting changes.

Color temperature

The figures are based on the known color temperature of the light. The selected value corrects the expected deviation. A value of 6000 means that blue light is expected and balanced in order to achieve neutral white.

ISO

Typical camera ISO settings are used for setting the sensitivity. The lowest level is 100 and is used as the default for most modes.



Higher ISO values achieve the same brightness with lower flash intensity, but increase the noise/grain.

Color representation maybe be subjective and images of different retinas appear "untrue" in their color representation. For this purpose, VISUCAM allows you to change and store up to three different color profiles for capture mode **Color**. There are factory settings for **Standard** (e.g. Caucasian), for **Dark iris** (e.g. Asian) and **Blue iris**.

Settings for B/W sensor

Contrast

Adjustment of light intensity.

Values below 0 reduce the contrast, values above 0 increase it. At 0 there is no change. Only whole numbers are accepted for setting changes.

ISO

Typical camera ISO settings are used for setting the sensitivity. The lowest level is 100 and is used as the default for most modes.



Higher ISO values achieve the same brightness with lower flash intensity, but increase the noise/grain.

Boost 1

Adjustment of aperture to increase light intensity.

In capture modes with divided illumination and observation beam path (FA, ICGA, AutoFluo), a larger aperture can be used to retrieve more light from the eye. Working with active **Boost 1** is recommended in these capture modes.



Recommendation: Make each change one step at a time in increments of 1 or -1 for contrast, increments of 100 for ISO and increments of 500 for color temperature.



If the **Automatically save changed capture settings** checkbox is disabled in the **Settings - Image capture** tab, it will not be possible to transfer changed settings to other patients.