

Guidelines for Capturing Linear Images

General guidance:

- White balance once at beginning of imaging session, then do not adjust light intensity on microscope again during that same session.
- Use camera exposure or shutter control to adjust image brightness.
- Use histogram to ensure all color channels are within the range (saturation = lost data!).
- Do not adjust contrast, saturation, hue or gamma unless such guidance is provided below.

Software and version: Nikon NIS-Elements v4.x

Camera(s): Nikon DS-Fi1 / DS-Fi2 / DS-Ri2

Recommended Acquisition Settings

Choose “Industrial: Metal” for the Scene mode

Software Path: Acquire > Camera Settings, choose “Industrial: Metal” in the Scene drop-down box

Set Contrast to “Linear”

Software Path: Images > Contrast, choose “Linear” from the drop-down box

Software Path: Images > Component Contrast, and ensure that Gamma for each color channel is set to “1.0”

DS-Fi1



DS-Fi2



DS-Ri2

