

Checklist for Close-Range Photogrammetry Image Collection

Before you leave the office:

- Check that the battery is charged (check spare battery if taking one)
- Copy images from past projects to a laptop if needed and format the card
- Attach the lens you plan to use
- Check the lens for excessive dust

5D Mark II setup for typical close-range project:

- Set to Aperture Priority mode
- Set aperture to between f8 and f16 (depending on DOF¹ needed)
- Set the camera to collect RAW and/or JPEG Large
- Configure other settings as needed
- Mount camera to tripod and frame the object for the first image
- Focus the camera on the object (using auto or manual), then turn the lens to manual focus and tape the focus ring so that it doesn't move
- If using a zoom lens, tape the zoom so that it doesn't move
- Set the camera to use a 2 second timer (or use wired shutter release)
- Set camera to use mirror lock-up (to avoid camera vibration)

Notes:

1 DOF stands for Depth of Field and is a term used to describe the depth of the scene that is in focus. Smaller apertures create more depth of field, though, at some point a small aperture will introduce blur due to diffraction. Learn more here at the dpreview.com glossary.