



BASIC ORDER OF STEPS FOR LONG EXPOSURE CAPTURE

The steps below need to be followed in rough order:

1. Find a rough composition hand-held
2. Set-up on tripod and lock-down the above composition
3. Dial-in focus and exposure WITHOUT filters
4. Capture normal-exposure image (for use in #5 & #6 below)
5. Check histogram for proper exposure
6. Check image preview for CRITICAL focus (using loupe if available)
7. Put shutter speed dial on 'BULB' or 'TIME' mode
8. Make sure ISO and F-Stop are the same as they were on the normal exposure
9. Determine adjusted exposure time for the ND filter being used
10. Put filter(s) on, being careful not to bump focus ring
11. Turn OFF auto-focus (unless you are using the 'back button focus' method)
12. Set timing device for adjusted exposure time
13. Cover viewfinder with tape, towel, hat, etc.
14. Cover camera with towel (if needed)
15. THEN... start the exposure and the timing device
16. Skip some rocks, check email, or plan your next composition while you wait
17. Stop the exposure at the appropriate time
18. Verify proper exposure and CRITICAL focus before relocating the camera
19. If needed, make focus and/or exposure adjustments for another capture
20. Congratulations... you have successfully made a long exposure capture!!!



WORKSHOPS

MY GEAR BAG – 2019

CAMERAS & LENSES:

- Nikon D850 – camera body (primary)
- Nikon Df – camera body (backup)
- Zeiss 21mm *f*2.8
- Zeiss 50mm *f*1.4
- Zeiss 85mm *f*1.4

TRIPOD & HEAD:

- Induro CT314 (primary tripod) & Induro CT214 (travel tripod)
- Really Right Stuff BH-55 ball head (one on each tripod)
- Really Right Stuff quick-release clamp and camera L-Plates (one for each camera and head)

FILTERS & FILTER HOLDER:

- Wine Country Camera filter holder system (including Blackstone polarizer)
- Blackstone filters by Wine Country Camera: 3-stop, 6-stop, & 10-stop Neutral Density
- Formatt-Hitech Firecrest Ultra: 13-stop, 16-stop, & 18-stop Neutral Density

ACCESSORIES:

- ThinkTank 'Speed Racer' – camera bag
- Mind Shift 'Filter Hive' – filter organizer
- Hoodman 3.2" hoodloupe
- Vello Shutterboss II – wireless shutter release controller

COMPUTER & SOFTWARE:

- iMac 27" with 5K Retina Display
- MacBook Pro 15" with Retina Display
- Wacom Intuos 3 – pen tablet
- Adobe Creative Cloud – entire suite
- DxO 'Nik Tools' (plug-ins for Photoshop)

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