



RTV[®]
REAL TOUR VISION[®]

A Photographers Guide to Shooting Panoramas

Capture the number of panoramas specified by the package requirements.

Unless otherwise noted, fulfill the individual panorama requirements in areas determined by the location contact. If the package includes a Google tour, photograph one panorama per each area of the location.

Equipment Requirements:

- DSLR Camera (Canon, Nikon or Sony)
 - No Single Shot Cameras
- Sigma 8mm Circular Fisheye Lens (Ideal)
- Single Row Panoramic Head (Nodal Ninja, Acratech)
- Tripod (Ball Head is Ideal)

General Guidelines:

- All panoramas must be shot in 360 spherical format.
- Always shoot in Large RAW Format (CR2, NEF, ARW, ect.)
- Shoot in Manual Mode
- 5 Exposures, 2 Stops Apart
- Let the camera Auto Focus for each spin.
 - Tip: If you are close to a wall and it will not focus, switch it to manual for that spin
- Auto White Balance
- ISO should not go above 400 (varies - if unsure ask RTV)
- You must use a tripod for all imagery.
 - Tripod should be set at an operating height between four and five feet.
 - Please make sure your images are in clear focus.
- Level your Tripod before each area, do not level during a spin.
- Turn off Image Stabilizer

Google Tours:

- 10 - 4 - 4 (Unless Otherwise Noted - Entrance to Building Only)
 - 10ft before entering - Door Closed
 - 4 ft before entering - Door Open
 - 4 ft inside of entrance - Door Open
 - All other panos - Door Closed
- 1 Pano per Room Type & 1 Per Common Area



Setting Up to Shoot Panoramas

Step 1: Grab your Panorama Mount and verify you have all the pieces.



Nodal Ninja R10 (Left)

Verify the lens ring matches the camera lens you will be using.

Acratech Spherical Rotator (Right)

The lens ring on this mount, will only work with the Sigma 8mm Fisheye

Step 2: Grab the lens ring, and insert the lens, into the lens ring.



Acratech - Line up the focal length line on the lens to the white arrow. The arrow should point to the front of the lens and will point in the direction you'll need to shoot. Tighten down the lens in the lens ring, and slid the lens ring into the panorama mount.

Nodal Ninja - The focal length line should be centered in the slit of the lens ring.

Slid the lens ring into the Nodal Ninja Mount and tighten it down. The focal length line should line up with the indent on the right hand side of the lens.

Step 3: Attach the camera to the lens.

The lens should tilted slightly up in the direction you are shooting.

The camera should be vertical.

Step 4: Attach the Panorama Mount to your tripod.

Use the bubble level on the panorama mount to level the camera & lens.

Once everything is level and tightened down, move the the next step.

Step 5: Remove the Lens Cap & Adapter Ring

The orange arrow pictured (Left) is pointing at the adapter ring.

If the adapter ring is left of the lens for any of the shoots, you will need restart the panorama and reshoot any panoramas that have the adapter ring on.

Congratulations! You are all Set Up!

Now that you are set up, you can start shooting the panorama.

Do not move or re-level during each panorama.

If you do, you'll have to restart.

1 Shot - 5 brackets - every 90-degrees



Questions? Contact us!
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