



## Aclarity Systems Solar Camera Installation Instructions Rev 3.2b

### Configuration and deployment instructions

Pre word: The Aclarity Systems Solar camera box offer two pan-tilt cameras which are 100% solar powered. The Solar panels need to receive ~4-5 hours of sun daily to maintain proper working order. IN order to increase flexibility in mounting locations, the solar panels can be removed and installed without ~ 6 ft of the camera box.

Upon installation refer to the cell phone app to add the cameras to your dashboard.

1. Remove camera systems from shipping box and discard the packing materials.



2. Remove components from inside of the NEMA box and lay them out on the workspace.





3. Screw box cameras into the screw mount on the bottom of the box using your hands. Align and install the 4G antenna to the side of the box.

Note: Do not over tighten the cameras, this can cause stripping of the screws



4. Screw the solar panels onto the pre-installed mounts on top of the box. Once the mounts are facing forward, tighten with the nuts when facing in the right direction for the sun (this can be adjusted late if needed).

Note: Panels should be facing the SOUTH as a preference if there is not shade concerns. However, facing east or west can work as well if those directions have the least sun facing obstacles. As a matter of principle, facing to the NORTH is the least effective direction.



5. Route the cables down the back of the box and plug the power cables into the cameras.



6. At this stage, the box should look like this



7. Turn the box over and install the mounting hardware. If you are planning on using the pole mount, use the two metal mounting tabs seen to the right of the box.

Note: If you are mounting directly onto wood (ie. plywood), can you screw a wood screw directly through the box by opening up the NEMA box and fastening the back panel directly to the wood.



8. After screwing in both tabs, put the metal worm gear hose clamp under the tabs



9. Bring the box to the pole mounting location. Open the hose clamp and install on post



10. Tighten the hose clamp using either a flat head screw driver or wrench.



11. Align the solar panels to face south. Note, solar panels should receive ~4-5 hours of sun a day for optimum working conditions. If the camera location is in a shaded area, unscrew the solar mounts and mount them into the sun. The cameras come up ~ 6 ft of cable for flexibility

