

Use PPU's To Deploy Cameras And Communications Near Roads



Do you need to deploy cameras and networking assets in areas along roadsides? It can be quite challenging because each individual deployment area is unique and different from the others. Cameras deployed next to traffic lights in intersections enjoy available power from the infrastructure, but often the biggest challenge for a roadside deployment is the lack of available and reliable power. The good news is PPU's (Perpetual Power Units) are available to make these deployments much easier, faster and more reliable. The PPU can take in and use whatever power is available in a particular area and put it to good use. It excels in being able to use the full range of power sources including dedicated AC, timed AC, and solar.

For example, existing light poles are often found near roadsides and are a great natural fit for camera, communications, and sensor deployments since they provide the height necessary for coverage of the area. The problem is that power is typically only available at the pole during times when the lights are on. Without the PPU, the cameras and other attached equipment will only function when it is dark outside, and the light poles are in an active state. With the PPU, continuous power is available 24/7 for the attached equipment.

Summary: It is no longer necessary to waste money/time and cause disruptions by trenching power to roadside locations that need cameras, communications, sensors and other similar equipment. Instead, it is now possible to use the existing assets at each roadside site. The PPU greatly simplifies installation and implementation since it automatically handles the conversion of power available at the specific site. Whether power is dedicated, timed, or simply sunlight, the PPU will provide POE and/or DC outputs to power the attached equipment. The gear will enjoy clean consistent power and 24/7 operation with minimal interruption during installation.

Common Applications:

- Security Cameras
- Automated License Plate Recognition Systems
- Railroad Crossings
- DOT Sensors