PureActiv®
VEHICLE COUNTING
ACCURATE COUNTING UTILIZING CAMERAS

A rising incident of travelers rage, mounting complaints, illegal parking, lost revenue and high emissions from cars looking for parking spaces have institutions searching for a better way to route cars to available parking spaces. Expansive parking structures and high cost of installing traditional counting systems further complicate the issue. That's where the PureActiv Vehicle Counting technology can help.

TURN CAMERAS INTO INTELLIGENT COUNTING SENSORS

Using advanced digital signal processing (DSP), PureActiv Vehicle Counting transforms video cameras into intelligent counting sensors. Its stand-alone design enables it to detect and count vehicles utilizing video received from IP and/or analog video cameras. The software even stabilizes the video image to remove camera and vibration effects. Advanced background algorithms then ignore any nuisance images, such as shadows or lighting changes. Once an object is detected, a filter is applied to avoid counting non-vehicle items, such as humans and luggage, or vehicles not moving in the desired counting direction. An accurate count is then provided by floor or zone.
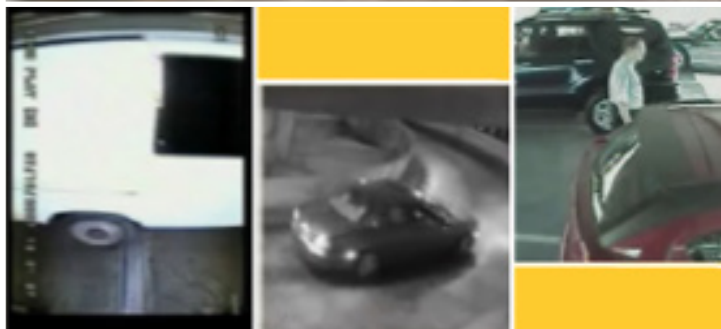
HIGHER ACCURACY, EASIER INSTALL OVER LOOP DETECTORS

PureActiv's Vehicle Counting is a server based system, processing the video at a central monitoring location. That means there is no need to make expensive cuts into exisiting pavement or pre-stressed concrete, as is often required for loop sensor systems.

The system also maintains a very high counting accuracy, versus loop detectors which tend to be very inaccurate, perhaps only achieving 50%-60% accuracy. In actual customer installations, the PureActiv system achieves rates over 99%. This can translate directly to revenue dollars and increased customer satisfaction, by keeping spaces full and insuring spaces are really available when directing a parking customer to a floor or zone. The system even counts in difficult areas such as low ceiling areas and helixes.

OPEN ARCHITECTURE WITH SECURITY CAPABILITY

The system is an open architecture so it can integrate into existing parking systems. In many cases, it can reutilize existing security cameras as well. If needed, PureActiv can also act as a full video management and alarms system to meet the security needs of the parking facility.

FEATURES

- Significantly more accurate than loop detectors (over 99% accuracy)
- Simple installation and less intrusive than loop detectors
- Utilize cameras to accurately count parking traffic by zone or floor
- Ignore non-vehicles (people, lighting, baggage carts)
- Count in one or both directions
- Reconfigurable (cameras can be easily moved)
- Wireless capable
- Ability to act as full video security system

BENEFITS

- Increase Revenue - Utilize full potential of parking structure with high accuracy rates
- Decrease Costs - Save installation dollars over traditional counting technologies
- Increase customer satisfaction
- Reduce emissions by getting cars to their parking space quicker

PureTech SYSTEMS®