

THE ARCHITECTURE OF TrafiCam[®] DETECTION SYSTEM FOR TRAFFIC MONITORING ON ORADEA CITY STREETS

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KEYWORDS: video detection; visual image control; detection zones; sensor;

TrafiCam[®] is easy to install and mount on existing or new infrastructure, with configuration done via the TrafiCam[®] PC Tool. A video image from the sensor allows accurate positioning of multiple presence detection zones, based on this TrafiCam[®] provides an output to the traffic light controller each time a vehicle is present in a detection zone. This vehicle presence sensor - based on field proven video detection technology - is part of the Traficon product range. Oradea City Council had promoted and setup the implementation of a reliable monitoring system for traffic data, as result of a Co-Operation Programme between Flanders and Central and Eastern Europe (Call 2007).

TrafiCam integrates both camera and detector in a compact, stylish housing and detects vehicles waiting at or approaching an intersection. In addition, TrafiCam also has a vehicle counting function. Typical situation of detection and visual image control is presented on figure no. 1:

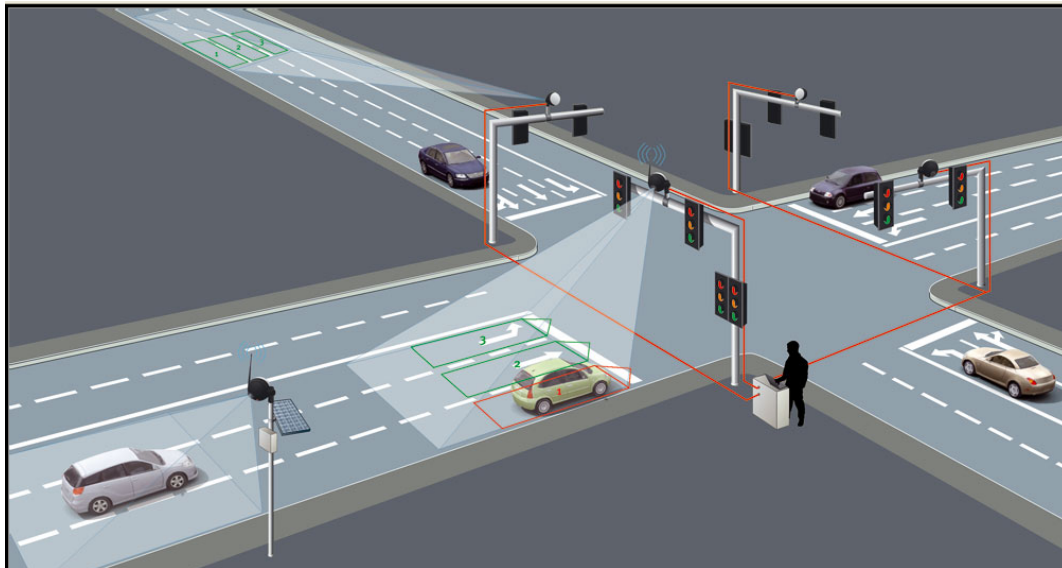


Fig. 1 – Typical installation of TrafiCam[®] detection system

REFERENCES

- [1] **ABBESS; M. SANDS,** – Automobile Traffic Signal Control System ,Chikton Book Company,1997.
- [***] **Configuration manual T – Port**
- [***] **Operation manual T – Port**
- [***] **VIP 19” RACK, Hardware Manual**
- [***] **VIP 19” RACK, Software Manual**
- [***] **VICCOM/E Version V1.12 VIP 19” RACK, User Manual**
- [***] **www.traficon.com**
- [***] **www.traficam.com**