Innovative Infrared Traffic Counter

Samuel Ajayi and Dr. Ayobami Busari

From Stephen Mensah

1. Hello Samuel, how did addresses occlusions on multilane highways.

Response 1: The infrared counter was tested, and it performs well on a multilane highways.

From Sam Labi

2. Mr. Ajayi, what is the total cost of your new device, including components, materials and labor for the assembly?

Response 2: The total cost of the device is estimated to be between US$500-650

From Kwabena Bempong

3. Will the IR counter be able to segregate the different vehicle types in the traffic stream. Secondly for contraflow traffic stream, would it be able to distinguish the directional traffic volumes

Response 3: The device cannot classify vehicles. It is not designed to be a classifier. It can only count vehicles and estimate the volume in veh/hr. The work on classified counter is in process.
Also it can't distinguish count on directional traffic stream.. It takes them as one direction. But it works on dual carriageway and multilane highways

The ***Ghana Infrastructure Conference (GIC 2020) Virtual Edition*** was organized by the Ghana Transportation Professionals (GTPF - http://gtpf.org/), ACE -Regional Transport Research and Education Centre Kumasi (TRECK - https://treck.knust.edu.gh/) and the Ghana Institution of Engineering (GhIE - https://ghie.org.gh/) in partnership with the following ministries of the Republic of Ghana – Aviation, Transport, Roads & Highways, Railways Development