

Product Evaluation

RE: Review of Iteris Vantage Next (previously named as Iteris Roadway Video Vehicle Detection system)

PRODUCT

Iteris Vantage Next is manufactured by Iteris located in Santa Anna, California and distributed by The Get Go Incorporated located in Calgary, Alberta. Web Link: <https://www.iteris.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Iteris Vantage Next offers industry leading functionality and ease of use. The systems capture and analyze video images through sophisticated algorithms, enabling vehicle detection and transmission of both video images and data using a wide range of communication technologies. Iteris Vantage Next are available in several models and configurations, resulting in a wide range of video detection solutions tailored to suit today's transportation needs as well as tomorrows requirements.

DESCRIPTION

The camera assembly is sealed in a weather resistant enclosures specifically designed for outdoor use. The camera is fitted with a moveable sunshield to allow the camera to be pointed in any direction during any type of weather conditions. The camera is virtually maintenance free with no active moving parts. To prevent the build up of condensation and ice on the lens glass, the camera housing is fitted with a heater that ensures a clear view at all times.

POTENTIAL USAGE

The cameras image is normally adjusted to view up to 4 or 5 lanes of traffic. Other uses of video detection include: Ramp metering, pedestrian detection, red light enforcement, traffic data collection, intersection/signal control as well as bicycle detection.

STANDARDS

Federal Communications Commission (FCC) part 15
NEMA National Electrical Manufacturers Association – Class A, TS-1
Caltrans TS-2

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has limited experience with video detection.

APPLICABLE STANDARDS

At present Alberta Transportation has no standard.

RECOMMENDATIONS:

Iteris Vantage Next (previously called Iteris Roadway Video Vehicle Detection) be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Traffic Detection – Proprietary, based on the information provided.

TRIAL PROJECTS

Cities of Calgary, Edmonton, Red Deer, Grande Prairie, Medicine Hat and St. Albert

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