

Product Evaluation

RE: Review of Miovision Core DCM

PRODUCT

Miovision Core DCM is a Traffic detection system manufactured by Miovision Technologies Inc. located in Kitchener Ontario and distributed in Alberta by Stinson ITS located in Toronto, Ontario. Website: <https://miovision.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Miovision Intersection Monitoring provides a combination of real-time telemetry and alerts as well as on-demand insights that give Traffic Operations teams the ability to immediately see what is happening, make informed decisions before going on-site, and dispatch the right technician with the right tools, at the right time. Core DCM Detection is reliable in all weather conditions.

DESCRIPTION

Miovision Core DCM uses a 360 - degree single point camera for intersection traffic data collection and analysis, actuation, real-time monitoring and communications and signal management. Miovision Core is the hardware platform that supports Miovision's in-cabinet communications, remote monitoring, traffic operations, and traffic management solutions. The product is Cabinet Ready and uses RS232, GPIO Networked Ethernet. It has built-in solid-state memory storage of 240GB. It can operate at the temperature of -34°C to 74°C and Humidity of 5% - 95% RH non-condensing.

POTENTIAL USAGE

Miovision Core DCM is used to provide real-time detection information, such as: HD video surveillance and traffic monitoring systems for Intersection control detection, Freeway management detection, Incident detection and verification, Traffic survey data collection, Remote surveillance and Temporary construction and work zone safety

STANDARDS

NEMA TS-2 Compliant

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this technology.

APPLICABLE STANDARDS

At present Alberta Transportation has no specification/standard for traffic detection

RECOMMENDATIONS

Miovision Core DCM be listed as a Potential Product under Alberta Transportation Products List, Traffic Control Devices – Traffic Detection – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,
Rokibul Khan