

AVCCS

Scita's AVCCS is an intelligent "Automatic Vehicle Counting and Classification System" that works on the vehicle side profile recognition technology.

High resolution vehicle side profiles are generated from the IR curtain scanning system. The acquired profile is processed by our advanced algorithm based on Artificial Intelligence Pattern Recognition System in order to extract key vehicle properties and classify vehicles into one of the predefined vehicle class.

Features:

- High resolution IR curtain
- Artificial Intelligence Pattern Recognition
- Robust construction and easy Installation
- >99.9% counting accuracy
- >99.5% classification accuracy
- Independent and stand-alone system
- User configurable system
- Easy system integration with toll management system
- Integration with toll violation management system
- Prior (Pre-AVC) or after (Post-AVC) configuration
- Operating range (up to 6m) provides support for different lane types –e.g. normal, wide and extra wide lanes.
- Customizable classification schemes
- 30mm pitch IR transmitter / Receiver



Specifications

General:

Operational Height	: 30 – 3400mm (default)
Minimum detectable Object	: 100mm
Max Vehicle Speed	: 60Km/h

Power Supply:

Input	: 24VDC
Power Consumption	: 40W (Electronics)

Environmental:

Operating Temperature	: 0 to 60 deg
Relative humidity	: 95%
Protection Level	: IP65

Processing Unit:

Controller	: Inbuilt
Interface	: RS232 / RS485 / Ethernet

Software:

Module	: Counting and Classification Service
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Profiler:

Transmitters	: 112
Receivers	: 112
Pitch	: 30mm
Scan Rate	: 150fps (full profile)

AUTOMATIC VEHICLE COUNTING & CLASSIFICATION SYSTEM

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