

DeepBlue

Sensor



VIA

Video Image Analyzer

Urban Mobility Detection based on deep learning and object recognition using a digital camera.

Vehicle classification, bicycle and pedestrian counting, all in one single device

Per-vehicle information, Speed detection, Occupancy, Headway

1-camera or 4- camera solution, 8, 16, 32 or 64 outputs/inputs option available

Online web based applications, Ethernet, Field proven, easy set-up and configuration, multi-lane

Cost effective, Self-diagnostics, Autonomous

Per-vehicle and aggregated data available via Web Services

With our dedication to continuous development the specifications are subject to change. To verify the current information please visit www.deepbluesensor.com

Passionately designed by





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POWER SUPPLY

12VDC

DeepBlue VIA (Video Image Analyzer) typical 10 W

Camera typical 5W

VIDEO PROCESSING

NVIDIA Xavier NX / NANO

64-bit Quad-core ARM A57

128-Core NVIDIA Maxwell GPU

1-camera or 4-camera solution

COMMUNICATIONS

Ethernet

Remote Sensor Access

4 Digital outputs

Optional extra IO board

OPERATIONS

Linux based OS

LED for operations diagnostics

ENVIRONMENTAL

-15°C to +70°C with fan (easy-mount)

-15°C to +55°C without fan

Mounting for cabinet integration

DIMENSIONS & WEIGHT

H x W x L 180 mm x 136 mm x 61,1 mm

1.3 kg

DETECTION

Object recognition

Up to 20 detection zones per camera

Shadow immunity using Deep learning models

+95% counting accuracy in daylight clear weather

+95% classification accuracy for two classes

+90% speed detection accuracy

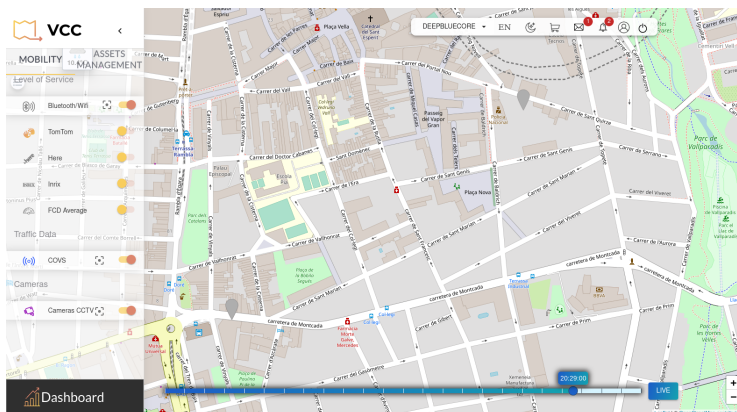
REGULATORY

RoHS Compliant

CE, FCC, IC certified



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