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

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DeepBlue Sensor

VIA

POWER SUPPLY
19V-24DC
DeepBlue VIA (Video Image Analyzer)
typical 17 W
Camera typical 3W (camera dependant)

VIDEO PROCESSING
NVIDIA Xavier NX / NANO
64-bit Cuad-core ARM A57
128-Core NVIDIA Maxwell GPU
1-camera or 4-camera solution

COMMUNICATIONS
Ethernet
VPN Remote Sensor Access
4 Digital outputs
Optional extra IO board

OPERATIONS
Linux based OS

ENVIRONMENTAL
–25ºC to +70ºC with fan (easy-mount)
–25ºC to +60ºC 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
+95% speed detection accuracy

REGULATORY
RoHS Compliant, CE, FCC, IC certified

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

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