

Possibilities:

- ↳ Determination of traffic congestion and sidewalks at different times of the day
- ↳ Traffic monitoring in shopping malls and other areas with significant crowds
- ↳ Determination of traffic intensity of cars and trucks, public transport, motorcycles, bicycles, pedestrians, etc.



Flexibility

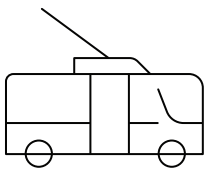


Security

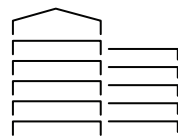


Scalability

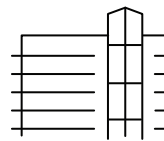
Areas of use:



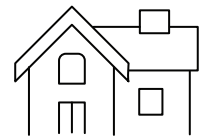
public transport



offices



shopping malls



private properties

Preventing traffic jams or congestion of people on roads and infrastructure

Traffic, street, or district traffic forecast based on time of day, season or day of the week

Determining the best routes for couriers, transport or transportation to minimize the risk of traffic jams

Determining the bandwidth of supermarkets, shopping centers



Traffic Analytics

Minimum Requirements

CPU	Intel Core i5-5575 and newer
MEMORY, RAM	2 GB RAM
HDD	128 GB
OPERATING SYSTEM	Ubuntu 18.04
GPU	Nvidia Pascal (core architecture) or newer
VIDEO MEMORY	520 MB

Compatibility

Performance	Up to 400 fps in 1080p HD videos
Detecting time	4 to 6 ms
Vehicle size	min: 45x45px; recomended: 90x90px
Person size	min: 45x90px; recommended: 60x90px
SUPPORTED PROTOCOLS	RTSP, H264 Motion JPEG JPEG AVI
SUPPORTED VMS	MILESTONE
SOME SUPPORTED CAMERAS	All cameras, RTSP
Maximum number of cameras	Unlimited, depending on the PC or Server
Other video sources	Avi Files, Ficheros Jpeg, Bmp
Database	MS SQL Server Express, MySQL, PostgreSQL
Third Party Integration	JSON messages via Http or MessageQueue
Notifications	Email, SMS, Telegram
Language	Ukrainian, Russian, English, German, French

Video Streaming Requirements

Connections	RTSP
Codecs	H.264/MJPEG
Frame rate	15+
Resolution	min: 720p, recommended: 1080p, max: 4k
CCD / CMOS	1 / 1.8 or higher