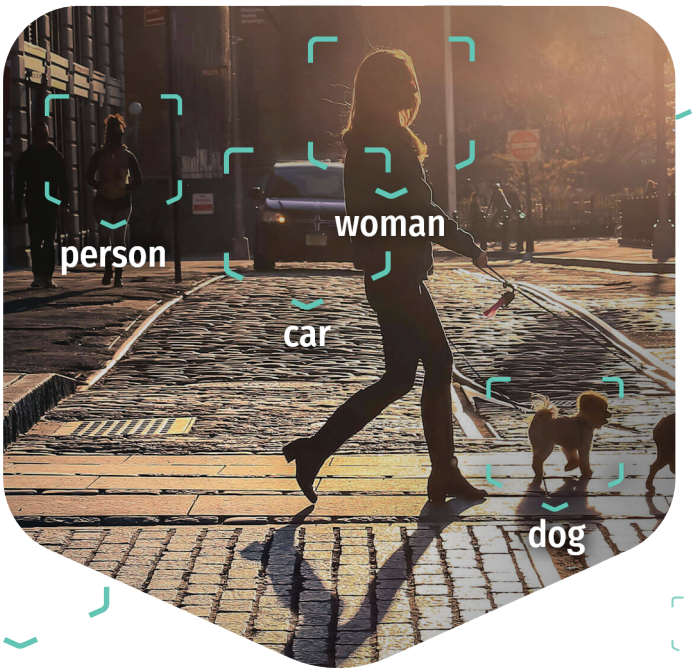
Object detection

Possibilities:

- Dedection of object with diffrenent complexity (person, vechilces, animals, things).
- Control of time and type of object, kind of animal, vechicle that are in zone.
- Detection of violations of certain site rules
- Photo fixing and parking notifications
- Storage of collected data of detected objects, person vechicles in the database.



Flexibility

Security

Scalability

Areas of use:

parking of vehicles

identification of different objects in the marked area

recognition of objects of different complexity

protection of territories

Tracking vehicles that are parked in violation of the time or location of vehicles

Control of parked transport

Removal of vehicles obstructing departure or otherwise violating parking rules near office or commercial buildings

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Object detection

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	**1550 MB service for 50 streams (1 frame per second)**

Compatibility

Vehicle size	**min: 60x60 px; recommended: 90x90 px**
Detection time	**15 to 20 ms**
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, French, German**

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**