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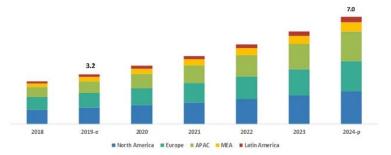
Face Recognition

World market for face recognition demonstrates annual growth of 16%

In 2019, the face recognition market volume amounted to \$ 3,2 billion.

According to expert estimations, the market grows more than 10% annually. In 2024, the market volume will be \$7 billion.

The two biggest drivers of this growth are surveillance in the public sector and numerous other applications in diverse market segments.



FACIAL RECOGNITION MARKET, BY REGION (USD BILLION)

See the report

New features of Face Recognition

| | Light | Complete | Unique Visitor Counting | Unique Visitor Counting + Complete | |
|-------------------------------------|-----------|-----------|----------------------------|--|----------------------------|
| Computing | CPU / GPU | GPU | GPU | GPU | |
| | 1 | 20+ | 20+ | 20+ | Max. faces in the frame |
| Face database | 500 | Unlimited | No | Unlimited | |
| | No | Yes | No | Yes | Search in the archive |
| Determining of gender and age | No | Yes | Yes | Yes | |

Before and after

| | Basic Face Recognition | Complete Face Recognition | |
|-----------------------------------|-----------------------------------|--|-------------------------------------|
| Equipment cost | Expensive due to high CPU load | Affordable due to usage of video card | |
| | No | Yes | Recognition of faces in a crowd |
| Determination of age and gender | No | Yes | |
| | No | Yes | Search by faces in video archive |
| Cost of database of 500 people | \$ 3 090 | Free | |

Face Recognition Light

| CPU | RAM | Number of cameras (1 MP) |
|------------------------|------|--------------------------|
| Intel Core i5- 2400 | 8 GB | 1 |
| Intel Core i7- 2600 | 8 GB | 2 |
| Intel Core i5-2300 | 8 GB | 1 |
| Intel Core i5-2400 | 8 GB | 2 |
| Intel Core i5-3570 | 8 GB | 3 |
| Intel Core i7-2600 | 8 GB | 4 |

Face Recognition Complete

| CPU | GPU | RAM | Number of cameras (2 MP) |
|------------------------|------------------------------|-------|-----------------------------|
| Intel Core i5- 2400 | NVIDIA GeForce GTX1050 Ti | 8 GB | 5 |
| Intel Core i7- 2600 | NVIDIA GeForce GTX1060 | 8 GB | 9 |
| Intel Core i7-7700 | NVIDIA GeForce RTX2070 | 8 GB | 13 |
| Intel Core i9-9900K | NVIDIA GeForce RTX2080 | 12 GB | 20 |

Unique Visitor Counting

| CPU | GPU | RAM | Number of cameras (2 MP) |
|------------------------|------------------------------|-------|-----------------------------|
| Intel Core i5- 2400 | NVIDIA GeForce GTX1050 Ti | 8 GB | 5 |
| Intel Core i7- 2600 | NVIDIA GeForce GTX1060 | 8 GB | 9 |
| Intel Core i7-7700 | NVIDIA GeForce RTX2070 | 8 GB | 13 |
| Intel Core i9-9900K | NVIDIA GeForce RTX2080 | 12 GB | 20 |

Face Recognition to arrange access control

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It is very easy to cheat a traditional access control system

For a perpetrator, all it takes is to find or steal another person's identifier to gain access to the restricted area.

Two-factor authentication solves this problem

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Access card corresponds with the face

CTRATO

Access card does NOT correspond with the face

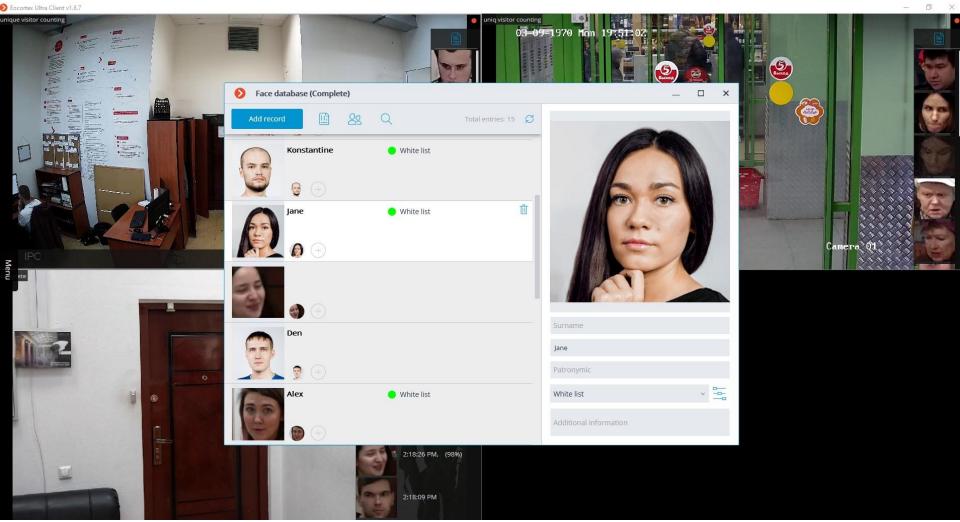
Customer benefits







Minimization of risk of infiltrations to the site with stolen or fake passes Precise logging of staff work time for HR and accounting departments Eocortex Ultra Client v1.8.7



Face Recognition in a crowd and search by faces in the archive to catch criminals

OMER

SUPERMARKET

SHOPLIFTER

TN

Losses due to shoplifting

€ 35 million

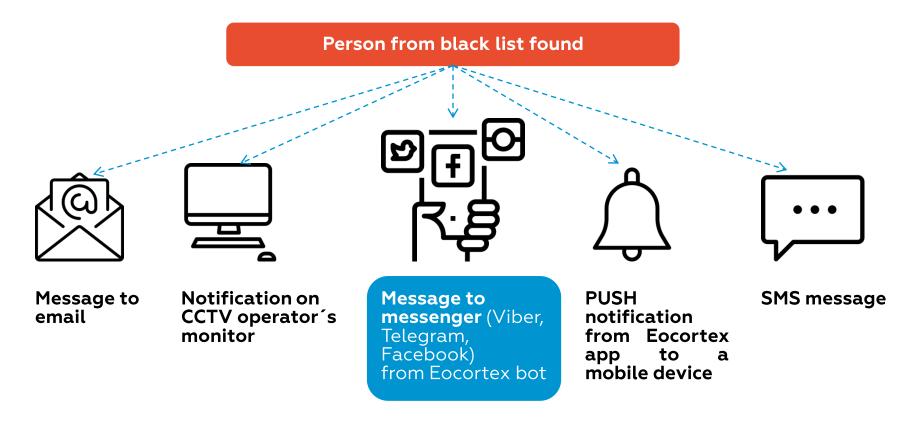
\$50 billion



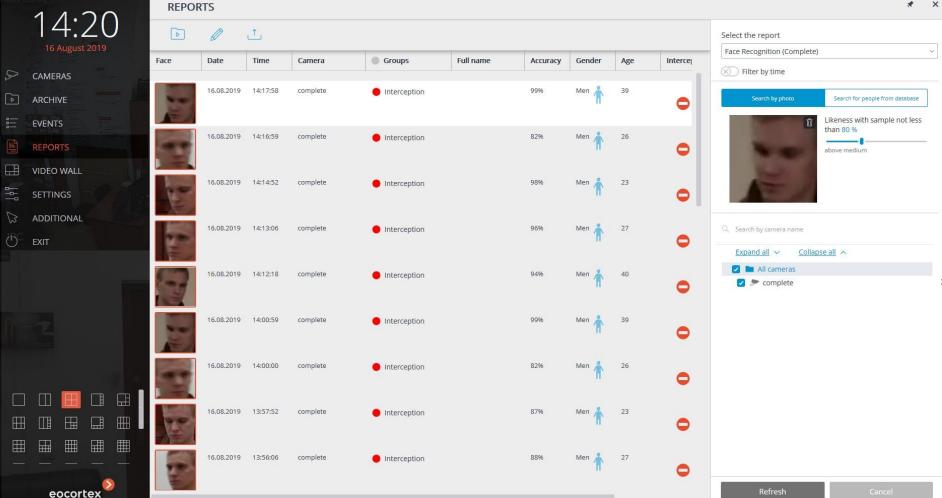


In 2018, retailers around the world lost more than \$100 billion due to shoplifting

You know when a shoplifter is in the store



📎 Eocortex Ultra Client v1.8.7

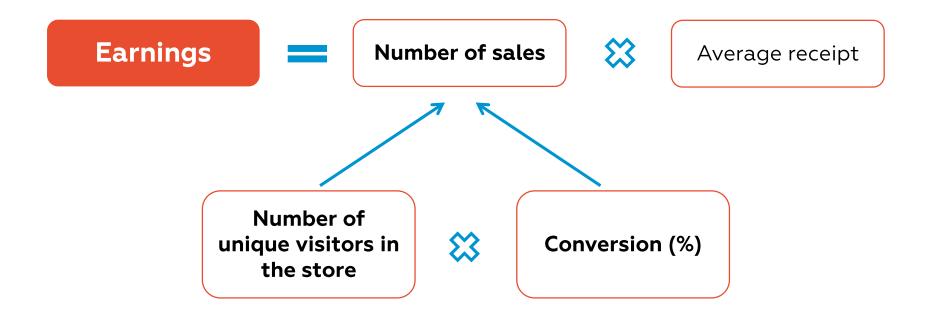


Face Recognition with possibility to exclude staff and visitors who come and go repeatedly to get accurate figures

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Earnings formula for the store





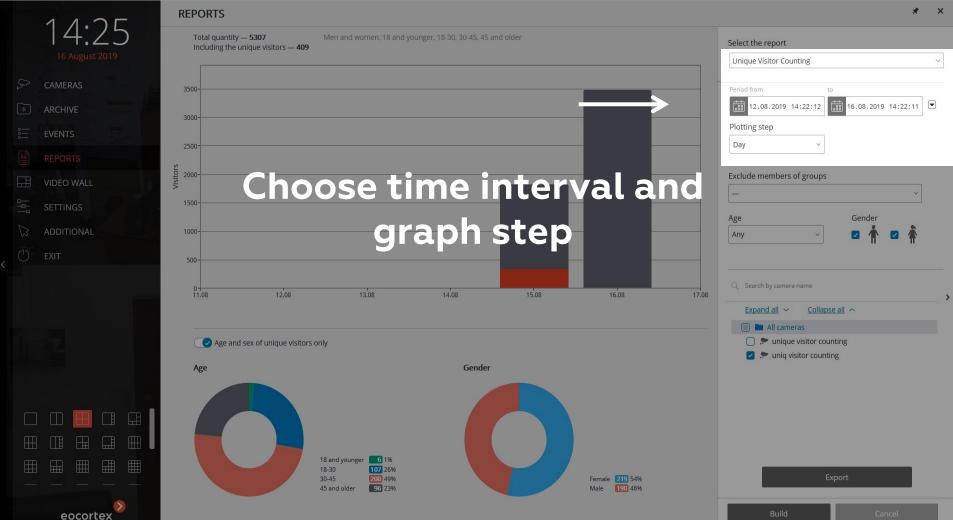
To work with conversion, you need to know the exact number of visitors that can be included in this formula.

2% increase of conversion from visitor to buyer leads to 20% increase in sales proceeds

| | | Strategy 1 | Strategy 2 | Strategy 3 |
|---------------------|-------------------------|-----------------|----------------|----------------------|
| | Before modifications | Attendance +10% | Conversion +2% | Average receipt +10% |
| Visitors, pers. | 881 | 969 | 881 | 881 |
| Receipts, pcs | 88 | 94 | 106 | 88 |
| Conversion | 10% | 10% | 12% | 10% |
| Average receipt(\$) | 30 | 30 | 30 | 33 |
| Proceeds(\$) | 2640 | 2820 | 3180 | 2904 |
| Impact(\$) | - | 180 | 540 | 264 |
| Efficiency | - | +7% | +20% | +10% |

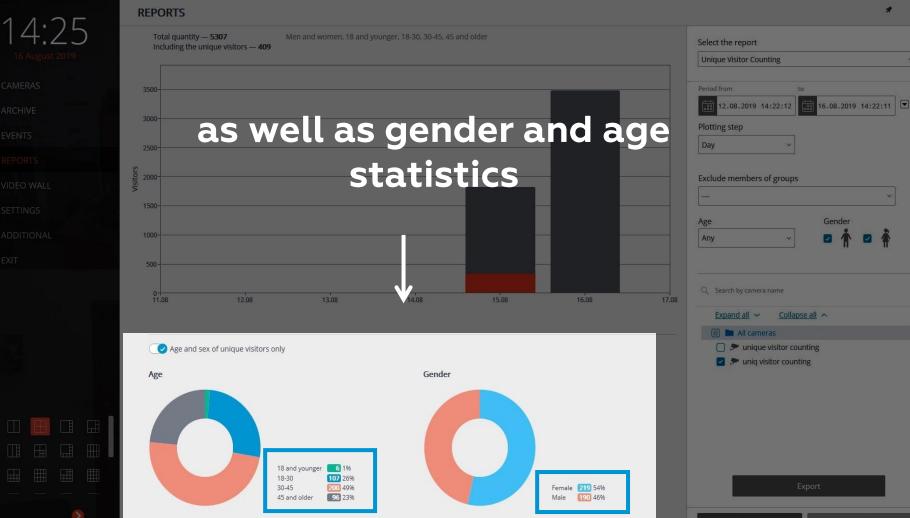


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Proven motives for purchasing counting applications



Federal / large regional non-food retail chains.

Motives: assessment of staff work efficiency (by calculating conversion); assessment of marketing effectiveness (by measuring attendance during the advertising campaign).



New shopping centers (those that are being built, reconstructed, commissioned).

Motives: assessment of attendance to provide data to lessees, to determine the most visited places (and to adjust rental rates), to determine the seasonality and effectiveness of marketing.



Shopping centers with an area of 10 thousand square meters and up

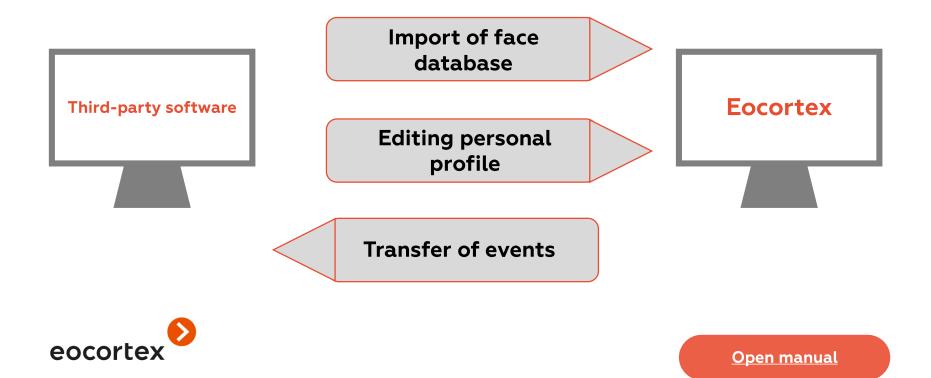
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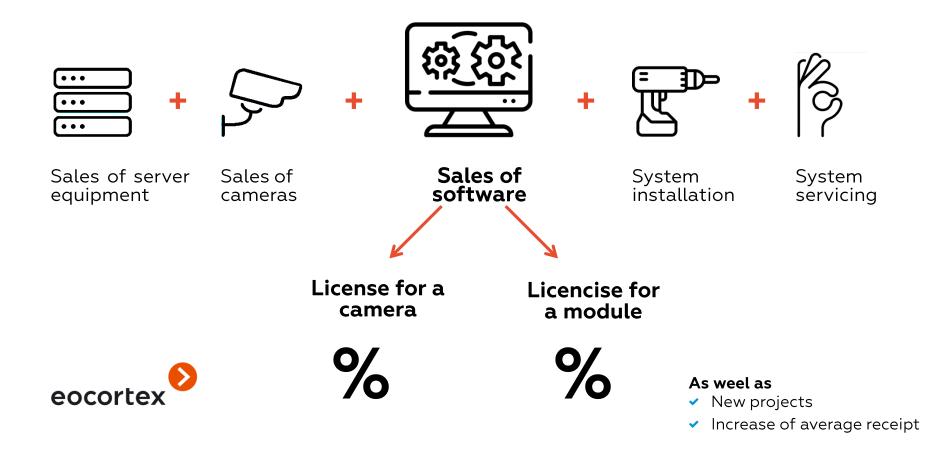
Working with face database via REST-API

Advanced Integration Features

Working with face database via REST-API



Partner earns money!



Marketing and technical support for free





Your personal manager will provide a special presentation that should convince any of your clients to place an order. Technical support will help you to set up your system and solve all the problems that may arise.

5 steps to generate profit





Reach your Eocortex personal manager



Send Eocortex materials to potential clients

4

Launch a test of Eocortex Face Recognition module



Obtain profit solving the end customer's problem





We help people around the world to work more efficiently thanks to deriving benefits from visual information



We will be glad to answer your questions and cooperate with you