PEOPLE TRACKING

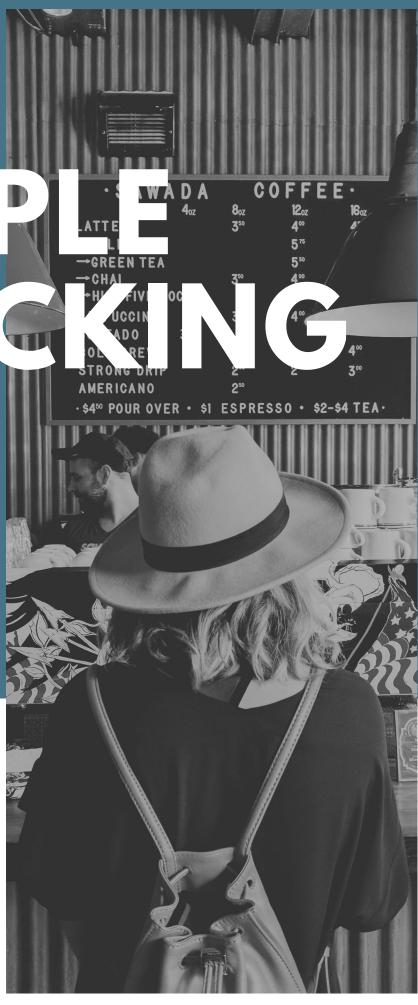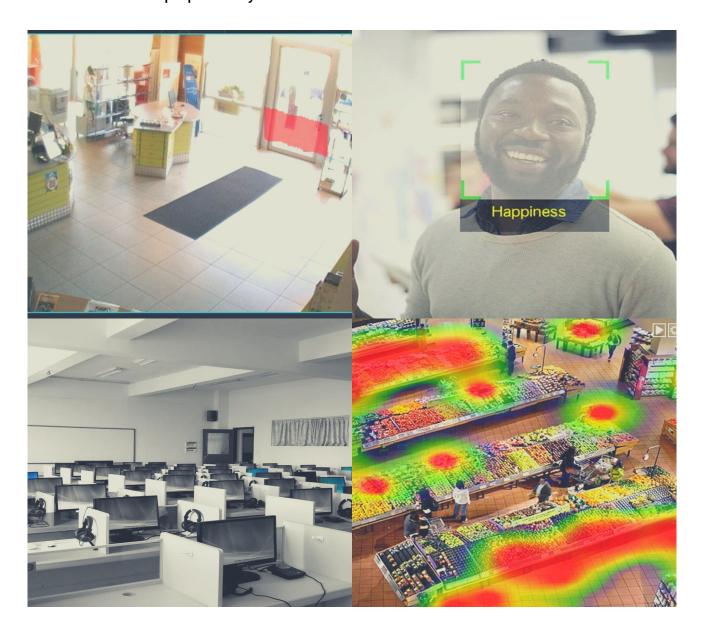## with xeoma vms

PEOPLE TRACKING

Depending on usage scenario 'People Tracking' can mean different things. Sometimes it's **automated count of employees' work hours**, sometimes it's a way to quickly get an idea what **path a person** in the camera's view took before they arrive at the point they were detected in. Sometimes it's **counting of guests** for analysis of an HoReCa establishment popularity.

TYPES OF PEOPLE TRACKING

VISITORS COUNTER

If you have a business that customers can visit, you probably wondered how popular it is. You can use Xeoma's **Visitors Counter** to get information on that.

Simple Visitors Counter is available in the Standard edition, advanced Visitors Counter (Cross-Line Detector) is available in the Pro edition.

MOVEMENT PATH

For those who want to see where a person detected by cameras came from, Xeoma has 2 options: color representation of a moving object and its path of movement, or show of all cameras that the object was "seen" in.

FACE RECOGNITION

If the person's identity matters in your analysis, Face Recognition can be used to recognize returning customers, known offenders or missing people, separate staff from new customers, count only new customers.

WORK TIME TRACKING

People Tracking can be used for counting of employees' work time to get exact time of when they come to work and leave for home. Double authentication with QR Code or Access Card Reading is supported
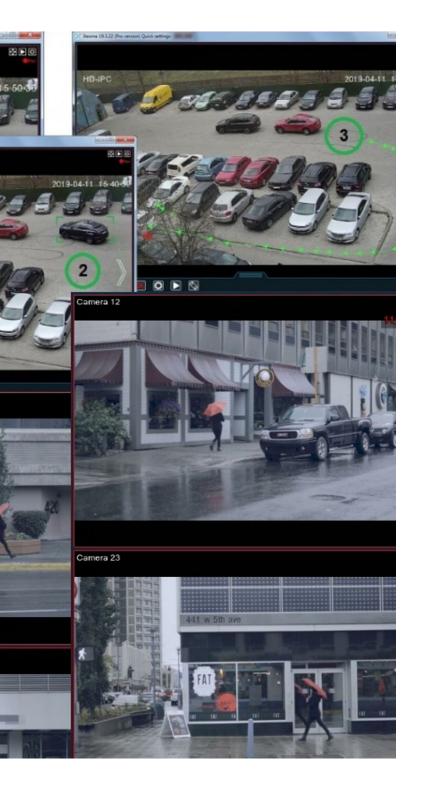
VISITORS COUNTER

Simple **Visitors Counter** (available in **Xeoma Standard** edition) is based on the principle that you need to draw a line using the regular paint brush we use to select a zone to detect motion in. The module is looking for motion inside that line and every motion episode in that line is added to the counter.

Cross-line detector is an advanced version of Visitors Counter. The line is dragged with special markers marking its start and end, and most importantly with a triangle indicating the direction of movement that will be looked for. The direction detection will help you track people entering and exiting the area separately.

MOVEMENT PATH TRACKING

If you want to see where a person detected by cameras came from. Xeoma software has two options for you here: color representation of a moving object and its path of movement, or show of all cameras that the object was "seen" in:

Movement route (path) across one camera is a green frame around a moving object, and green dots or green arrows that show the path that the object "traveled".

Movement route (path) across several cameras gives you an idea how a person moved through several cameras. Can be set up as part of the Layouts setup.

FACE RECOGNITION

Sometimes for people tracking you need to know when *the same* person went in and went out. For such installations, where the person's identity matters too, Xeoma's **Face Recognition** will be just what you need.
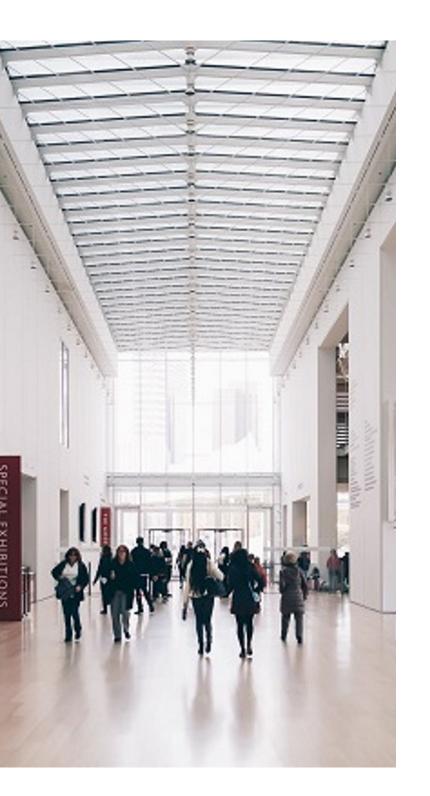
The Face Recognition module can be used to:
* recognize returning customers;
* detect known offenders or missing people;
* separate staff from new customers (count only new customers);
etc.

Xeoma offers two Face Recognition options - **basic** and **advanced AI-enabled** one - depending on the required successful recognition rate.

FACE RECOGNITION: CROWD DETECTION

Xeoma video surveillance software's **Face Recognition** has the ability to count number of faces in the camera's vision field

Use the Face Recognition module to establish that moving objects are people.
Then select how many people in camera view should be considered a crowd.
You will get notifications, or records when that number is reached.

This feature can work in reverse – for detection of when there are too few workers in camera's view.

WORK TIME TRACKING

Sometimes the people tracking task is really a tracking of their work time: when you need to gather data when employees come to work and leave for home, and mind all breaks the worker has taken.

This task can be easily solved with Xeoma's modules: **QR Code Recognition** or **Smart Card Reader** (counts from the moment the access card is shown), or **Face Recognition** (counts from the moment a worker's face is recognized).

For double authentication, the **FaceID** module can be used.

PEOPLE TRACKING

WITH VIDEO SURVEILLANCE SOFTWARE XEOMA

READ MORE AT WWW.XEOMA.COM
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