

Face Detection



The highest level of Face detection accuracy

Face detection is a software technology that determines the presence of a real person in front of the ATM and can be used as a security measure to prevent fraudulent activity or unauthorized access to self-service devices.

How does it work?

When a person approaches the ATM, he falls into the field of camera's view. The Face Detection module analyzes the face in front of the ATM as soon as the user begins interacting with it. The system allows the customer to continue the transaction if the face is found and not covered. In addition, Face Detection can recognize multiple faces and avoid forced withdrawals or PIN theft.

Multiple Face Detection

The multiple Face Detection function instantly determines the number of people in front of the ATM. In case of more than one person detected, a custom script is run. A warning may appear on the equipment screen asking customers to stay alone in front of the ATM camera. Additionally, a denial-of-service scenario can be activated, or a notification could be sent to alert a Security officer (for details, please refer to [ATMeye.iQ^{NG}](#) information).

Covered face identification

The solution can detect if the user's face is covered or masked. Transactions will not be completed if an ATM user hides his face from the camera view.

Camera closing alarm activation

Face Detection reacts immediately when the camera is covered. If a fraudster closes an ATM's camera, the device will no longer function. An alarm can be sent to a Security manager as soon as an issue is detected (read about [ATMeye.iQ^{NG}](#) features).

Key business benefits



Fraud prevention – when a fraudster covers his face and uses an ATM anonymously, the Face Detection module can effectively stop him from driving ATM out of service.



Protection against logical attacks – the ATM will stop services if there is no face in front of it at the beginning of a transaction.

Overall, Face Detection software can be an effective tool for improving the protection degree of self-service devices by providing an additional layer of security and reducing the risk of fraud or unauthorized access.

Brief information about BS/2

BS/2 is part of the Penki kontinentai group. For over 25 years our company has been developing specialized software and technological solutions for banks, financial institutions, and retail companies.

BS/2 is an owner of banking software "iQ family" and offers its solutions to customers worldwide. More than 100,000 ATM software licenses have been sold in over 80 countries.

Our services include supplying ATMs, parts, retail automation solutions, and other banking equipment from the world's largest manufacturer Diebold Nixdorf.

The primary task of BS/2 is to optimize banking self-service channels by providing software development and integration services, as well as outsourcing and consulting services.