

Increased protection from infection

Facial biometric access control that also detects fever & mask use





The Covid-19 pandemic has made access control more important than ever. Thanks to new technology developments, it can play a key role in helping to prevent the spread of infection in your buildings and sites.

This integration is based on uniting Uniview's precise OET-213H-BTS1 access control terminal with AEOS – the IP-based access control system by Nedap. And it enables you to permit or deny access to people based on:

- **Facial recognition** – using contactless biometric technology for identification or verification.
- **An identifier + body temperature** – using an accurate, contactless sensor near the wrist or forehead.
- **An identifier + mask detection** – using artificial intelligence to detect correct mask usage .

Central control & flexible functionality

This combination of identification, mask detection and body temperature measurement in every Uniview terminal is incredibly powerful and flexible. On each terminal, you can choose to use all three functionalities or just one or two. And you can switch these functionalities on and off as you need them, depending on local needs and regulations.

A host of wide-ranging benefits

Compared to using thermal cameras for body temperature checks, it offers several benefits, including high accuracy, a lower price, valuable reporting, straightforward management, a futureproof investment and easy GDPR compliance, since AEOS can be set not to store the measured temperature.

Works with your existing systems

The adaptability and ease of installation mean you can use this integration whether or not you already have an access control system or body temperature checking.

If you already have access control, for example, but want to add body temperature checks, you can layer this integration on top of your existing access control system. AEOS will simply centralize and manage the facial enrollment and body temperature range. Or you could replace your existing access control with AEOS.

If you've already got a body temperature detection system, this integration will enable you to add facial recognition, mask detection and access control functionality.



3 core features – and the freedom to decide which to use

Facial recognition

Biometric identification with enrolment increases security levels and convenience. But to minimize the spread of infection, a contactless method such as facial recognition is preferable to alternatives such as fingerprint reading.

- A hygienic way to identify or verify those authorized for access.
- Easy to switch on or off according to local GDPR regulations.
- Fast to use so it will maintain its convenience and value after the pandemic.

Mask detection

The use of face masks is now mandatory in many locations around the world as it's one of the most effective ways to reduce the spread of viruses.

- Automatically block access to anyone:
 - without a mask.
 - not wearing their mask correctly.
- Easy to switch on or off according to local GDPR regulations.

Body temperature measurement

A fever is one of the key symptoms of Covid-19 and other infectious illnesses. Routinely checking the body temperature of everyone entering your buildings or site will help to identify people who may be infected. Our integration lets you use body temperature like any other access control credential; for verification and validation and as a trigger for pre-set security level responses.

- Protect those inside by automatically blocking access to people with a high temperature and directing them to a safe location for further checks.
- No risk of contagion when taking temperatures as the sensor is contactless.
- Fast temperature measurement and straightforward to use.
- Easily set and adjust the maximum body temperature allowed in AEOS.

Harness the power of AEOS

Manage everything centrally

By integrating these upgraded Uniview terminals with AEOS access control, we've created a key benefit. AEOS software enables you to centralize and manage your authorisations – even of doors with Uniview terminals on other sites. It also means you can use alarms and reports based on body temperature and mask use. Essentially, it transforms the terminals from individual devices to an interconnected, easy-to-manage system.

As the terminal's face recognition functionality is fully integrated into AEOS, it means you can also centralize enrolment, identity and authorisation management. So users can, for example, be enrolled on your system in one location and then use face recognition at your connected Uniview terminals in other locations.

Extend your system easily

We were able to integrate the Uniview terminal with AEOS access control quickly and easily because AEOS is an open platform. To use the terminal's functionality with AEOS, you just need Nedap's AP7803 door controller. The Uniview terminal and Nedap AP7803 door controller connect over the network, therefore multiple Uniview terminals can be connected to a single AP7803 door controller.

If you want to add different terminals to your system in the future, they can be easily integrated with your Uniview terminals because they're connected through AEOS. And if you want to extend your AEOS system to integrate other technologies, it's a straightforward process. These terminals can, for example, be used with QR, proximity or Mifare technology and more.



Why this integration is a smarter choice

Some organisations are using thermal cameras for checking body temperature. Here are just some of the great reasons to choose our integration of Uniview terminals and AEOS access control instead.

Accuracy

When recording body temperature, an important factor is the distance between the person and the sensor. Other factors such as the ambient temperature can also affect accuracy.

With our terminal, the wrist or forehead is held close to the sensor, so accuracy is very high compared to thermal cameras and other sensors. This means you're less likely to miss people with a high temperature or mistakenly inconvenience those who don't. As temperatures are recorded very quickly, the increased accuracy doesn't compromise convenience.

High functionality for a low cost

Our integrated Uniview terminal enables you to use facial recognition and monitor mask usage, as well as checking body temperature – and yet it costs at least 50% less than a thermal camera. Even if you only use one of these three functions, you still get great value. And you have the option to use the other functions in the future.

Enables GDPR compliancy

In most countries and in most situations it's legal to restrict access based on a body temperature measurement. It's important to always check local GDPR regulations when using these terminals, however. You must, for example, have the person's consent if data such as their body temperature or facial profile will be stored in a database or used in a report.

For this reason, when the Uniview terminal is integrated with AEOS, it can operate without video functionality. It can be set to simply trigger an alert if someone's body temperature is too high, without recording or even showing their identity in the system if you choose.

A futureproof investment

Even when restrictions relating to the Covid-19 pandemic ease, and body temperature checks and mask use aren't a concern, you can continue using the Uniview terminal for facial recognition. As it's contactless, it's a hygienic choice for biometric identification or verification. And if you need to reintroduce temperature checks and mask monitoring at any point you have the technology ready to do so.

Valuable reporting options

Included with AEOS software is the ability to easily and automatically create reports, which adds considerable value to this integration. At no extra cost, you can create any number or range of reports. Or SGSE can create them for you as an additional part of your service contract.



You could, for example, produce reports tracking the temperature of individual employees. If you're a food manufacturer you may need to prove that the temperatures of people in your production process are below the threshold. If you have a call centre, employees will value knowing that the people they work alongside don't have high temperatures.

Or you could use reports to monitor trends for your organisation at large. If the average temperature across all employees is increasing, for example, this could indicate an outbreak of COVID-19 or another infection.

Easy management

Compared to using thermal cameras to measure body temperature, the Uniview terminals are much more straightforward to manage. Thermal cameras need to be integrated with your access control system before you use them, and also need continuous calibration to measure body temperature. The Uniview terminal doesn't need any calibration and can be used with AEOS without you needing to do any integration work.

Practical precautions that show you care

As we move into an uncertain future, this integration gives you extra support in keeping your employees and visitors safe and healthy. On a brand level, it makes it clear you care about people's health and take measures to protect it. On a practical level, it can help to prevent large numbers of employees falling ill and your productivity plummeting.

All set for a safer future

As it looks likely we'll continue to face outbreaks of COVID-19 or similar infections, it seems body temperature and mask detection will become key elements in access control. The ability to measure and monitor body temperatures and have the data instantly available, as it is in AEOS, will be crucial. While the increased security and convenience offered by biometric identification means that selecting a contactless option is a sensible investment for the future.

Important

Before implementing this solution, please check the local GDPR regulations with regard to processing special categories of personal data.



Want to know more?

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