Why is TU Delft installing cameras on campus?

The start of the new academic year will see more students and staff on campus. To ensure we can get off to a safe start, TU Delft must observe the Covid-19 guidelines set out by the National Institute for Public Health and the Environment (RIVM). One of these guidelines involves keeping sufficient distance from each other. In order to monitor compliance with the social distancing rule, cameras will be installed in eight locations and provide live images of a large part of the campus. The purpose of the cameras is to protect the health of our students, staff and visitors.

Will the images be stored?

The images will not be stored and can only be viewed live from the TU Delft control room. If an operator observes too much crowding in a certain area they will initiate regulation, for instance by reminding campus users to observe the 1.5-metre rule.

Can you be given a fine, on the basis of the images or if you are approached by security?

No fines will be handed out on the basis of the images, however, the images may be used to increase regulation if necessary. Also be aware that the campus is a public area and the municipality and police are empowered to take enforcement action.

Who is responsible for regulation/enforcement?

Regulation is the responsibility of G4S, the company employed by TU Delft to provide security on campus. They will be directed by the TU Delft control room based on the images.

Will the police monitor the images? Can they come on-site to issue fines based on the images?

No, there is no link to any police systems, but be aware that the campus is a public area and the municipality and police are empowered to take enforcement action.

Who is authorised to monitor the images?

The images are monitored in the TU Delft control room by a trained operator.

What security measures have been taken to prevent the system from being hacked?

No software can be installed in the cameras and only verified firmware can be uploaded. Access to the network and the cameras is secured with 802.1x network authentication using the EAP/TLS protocol. The built-in firewall, Trusted Platform Module (TPM) and support for Public Key Infrastructures (PKIs) all provide security against malicious attacks.

Can recognisable images of people’s faces be seen?

The cameras will be installed approximately six meters above the ground to ensure a wide overview and give the operator a good idea of the distance between the people on campus. Campus users will be filmed from a distance, but they will be recognisable. However, because the images are made from a height of six metres, the operator will mainly see the tops of people’s heads, and not so much their faces (birds-eye view). It is not possible to anonymise the images because this requires editing,
and in order to guarantee privacy as much as possible, the images will NOT be stored and so cannot be edited.

**It is very difficult to estimate the distance between people who are further away from the camera. How has this been resolved?**

The camera images are used for an initial assessment. The security guard will then decide on-site if action is required.

**Where are the cameras installed?**

- Architecture and the Built Environment car park
- Jaffalaan 9 (at Landbergstraat)
- Between C. Huygensweg and Prometheusplein
- Leeghwaterstraat (at IDE/3mE)
- Cornelis Drebbelweg
- Balthasar vd Polweg
- Kluyverweg
- Van der Maasweg

**Will the cameras only be used temporarily? For how long?**

In principle, the cameras will be installed for a period of two months. During this period other measures will be implemented where necessary to prevent crowding. If these measures are sufficiently effective the cameras will be removed.

**So no images will ever be stored?**

No, because the cameras are not connected to any recording equipment.