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Masked Face

Detection and Match

From Thales Cogent FRP solution

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www.thalesgroup.com

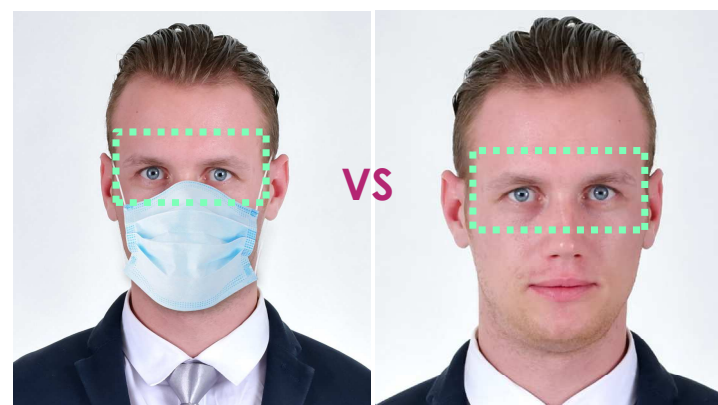# Mask Detection & Matching – General process

Step #1:
Detect a face

Step #2:
Detect wearing mask/veil or not

Step #3:
Match a face with mask (comparing features around eye area)
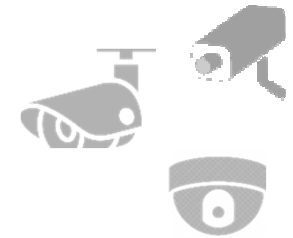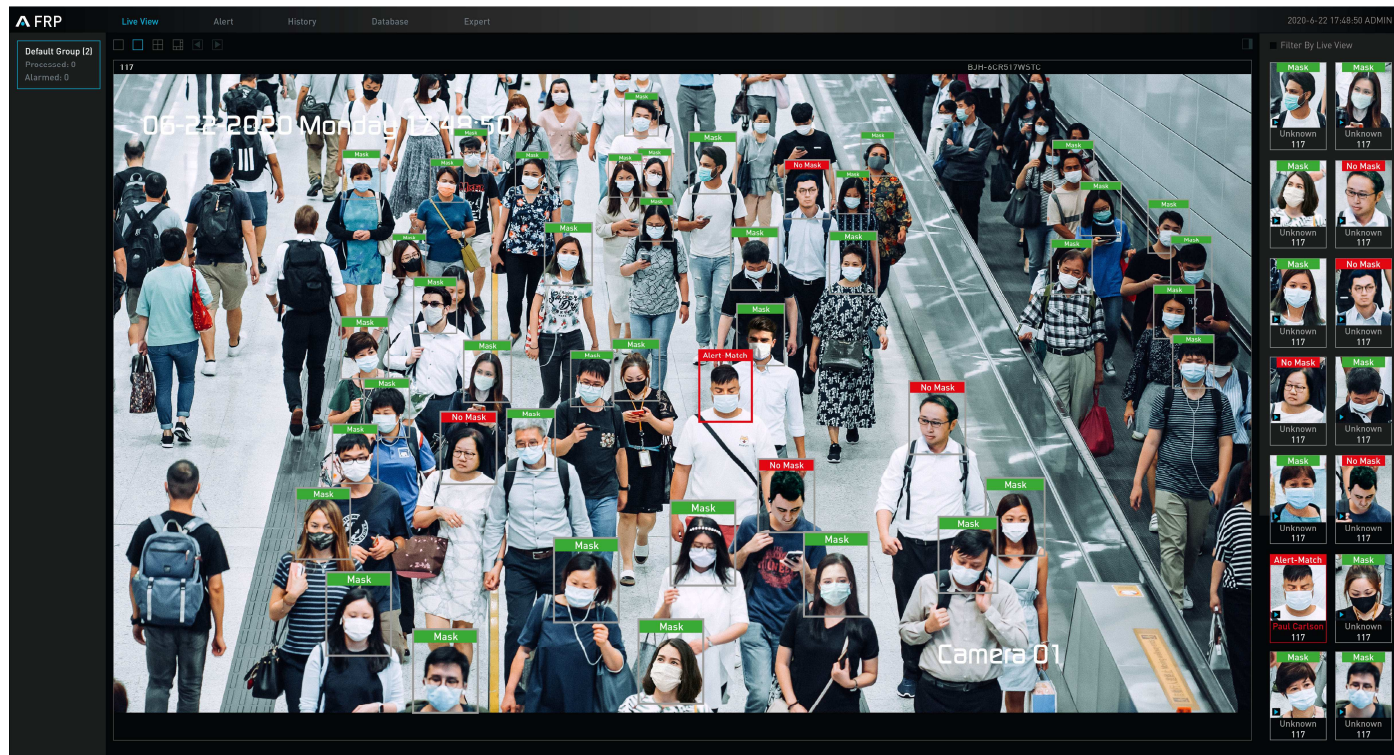
Mask

No Mask

VS

- Show in Live View / History for demo / surveillance
- Reject / warning for no mask at access control, hospital, etc.
- Reject / warning for mask at border control, etc.
- SDK for 3rd party.
- … (more use cases to be developed)

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User story #1 – Surveillance

> To detect face wearing mask and find person of interest even though they wear mask

- Mask status is shown in live view along with face detection. (Sample GUI is as below)
- If the people is recognized, user will see person's name under the face as well.
- Mask status can be audited in LFIS report.

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User story #2 – Access control

To reminder user to wear mask and grant people access even though they wear mask

> When user is approaching face module, face will be captured by face module.

> If user doesn't wear mask, he will get a kindly reminder to wear mask.

> Face images will send to back-end server for match, then result will be shown in face module.

> Match result will be informed to Access control system for door control.

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