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# Face mask detection system

— face mask detection system for security surveillance  
cameras to send alerts to individuals on wearing  
their masks properly. —

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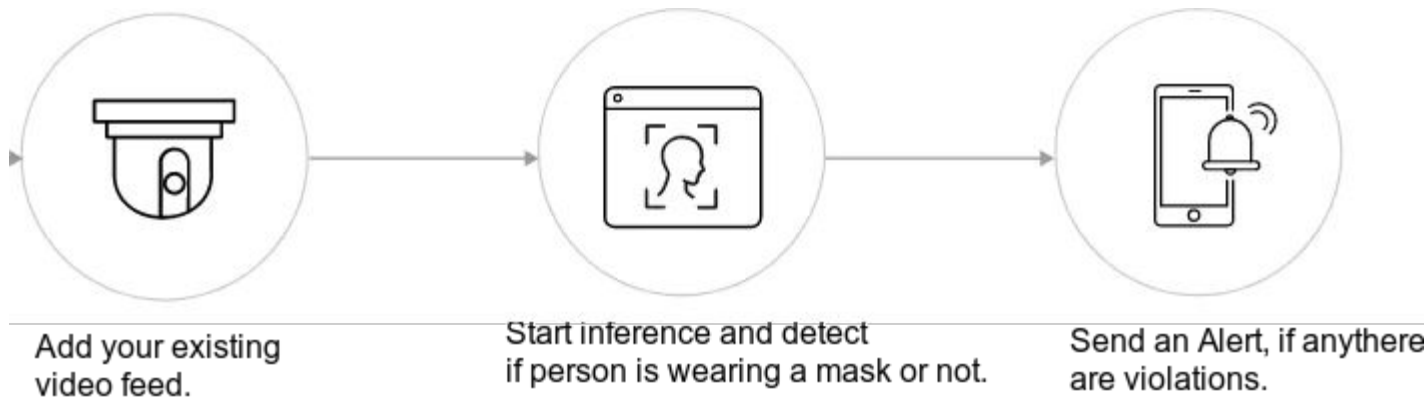
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# Agenda

- Pipeline flow
- Applications

# Pipeline flow

Face Mask Detection application uses Deep Learning/Machine Learning to recognize if a user is not wearing a mask and issues an alert as shown in the image below.



Here executes 2 parallel inference requests for the Face Mask Detection and Face Detection networks that run simultaneously.

Using a set of the following pre-trained models:

- face-detection-adas-0001, which is a primary detection network for finding faces.
- face-mask-detection, which is a pre-trained model for detecting a mask.

# Applications

- The application could be useful in controlling the spread of the ever-increasing COVID-19 virus.