

# COVID-19 Response Features

In addition to traditional security threats, businesses and community gathering places now have a new foe to contend with – COVID-19. But just as real-time video analytics can help security professionals more efficiently and consistently spot bad actors, AI can help track and enforce compliance with virus prevention measures and automatically alert you to dangerous situations. SAFR® offers highly-accurate mask detection and face recognition for masked faces, occupancy counting, and touchless access control.



95% mask detection rate



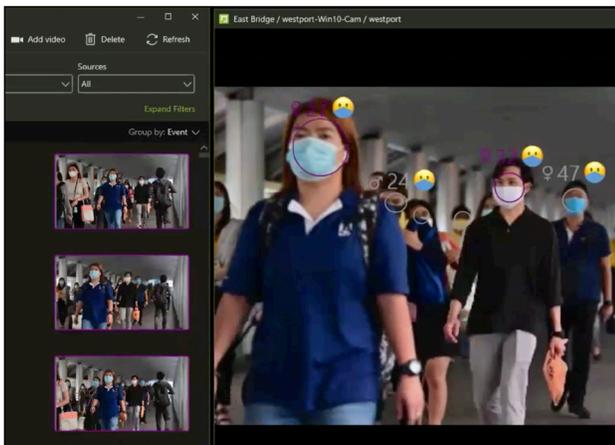
98.85% face recognition accuracy for masked faces



Occupancy counting and mask detection dashboard



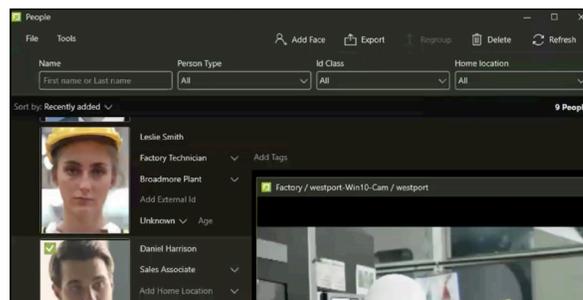
Touchless access control, including for masked faces



When deployed commercially, accurate recognition of faces wearing masks is valuable and in some cases life-saving:

- Healthcare workers can move through secured areas without removing personal protective equipment.
- Essential service providers can continue to deliver products and services without delay.
- Security threats will not go unrecognized, and responses will not be delayed.
- Access can be restricted to only persons wearing masks.

SAFR's flexible deployment options allow it to be used as a standalone system, integrated with most leading VMSs, or embedded directly on virtually any device with a camera using SAFR SDKs.



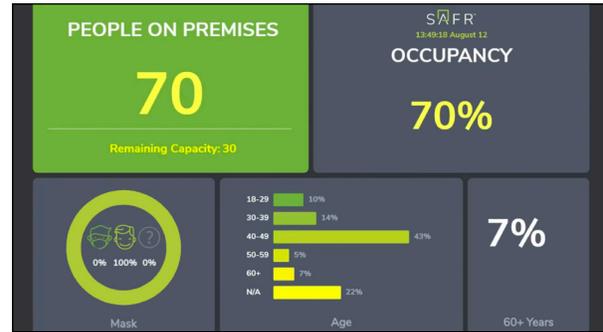


## Face Recognition with Masks

With more widespread use of face masks as a disease prevention measure, it's critical that facial recognition systems are able to detect and recognize faces partially occluded by face masks. SAFR has a 95% mask detection rate and 98.85% face recognition accuracy for masked faces.

Accurate recognition of masked faces ensures no disruption of key security functions, even when most people appear on camera while wearing a face mask. Enable touchless secure access without requiring users remove PPE to be recognized, and program any number of custom alerts and responses to be triggered based on face recognition and mask detection events.

- Detect when somebody enters an area without a face mask – trigger alerts or alarms if unmasked faces appear.
- Restrict access at touchless-secure access points to only masked faces to encourage 100% mask compliance.
- Anonymously track mask compliance rates.
- Detect when somebody enters an area with a face mask, or if a mask is removed in an area where it shouldn't be.



## Dashboards: Occupancy Counting & Mask Detection

Leveraging highly-accurate computer vision features including face and person detection, age characterization, mask detection, and direction of travel monitoring, SAFR provides several real-time dashboards of activity.

Limiting occupancy in enclosed spaces is one of the best ways to reduce transmission of COVID-19. The live Occupancy Area Dashboard and Occupancy Alarm Dashboard enable customizable occupancy limits to be set per area. Receive alerts via email or SMS when an area is approaching a set limit to ensure you never exceed maximum capacity. Export reports of daily information or view in real time.

The mask detection dashboard tracks the percentage of masked vs. unmasked faces, including demographic breakdowns across age and gender.

SAFR dashboards report demographic and occupancy information anonymously to help users uncover and respond to trends.

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