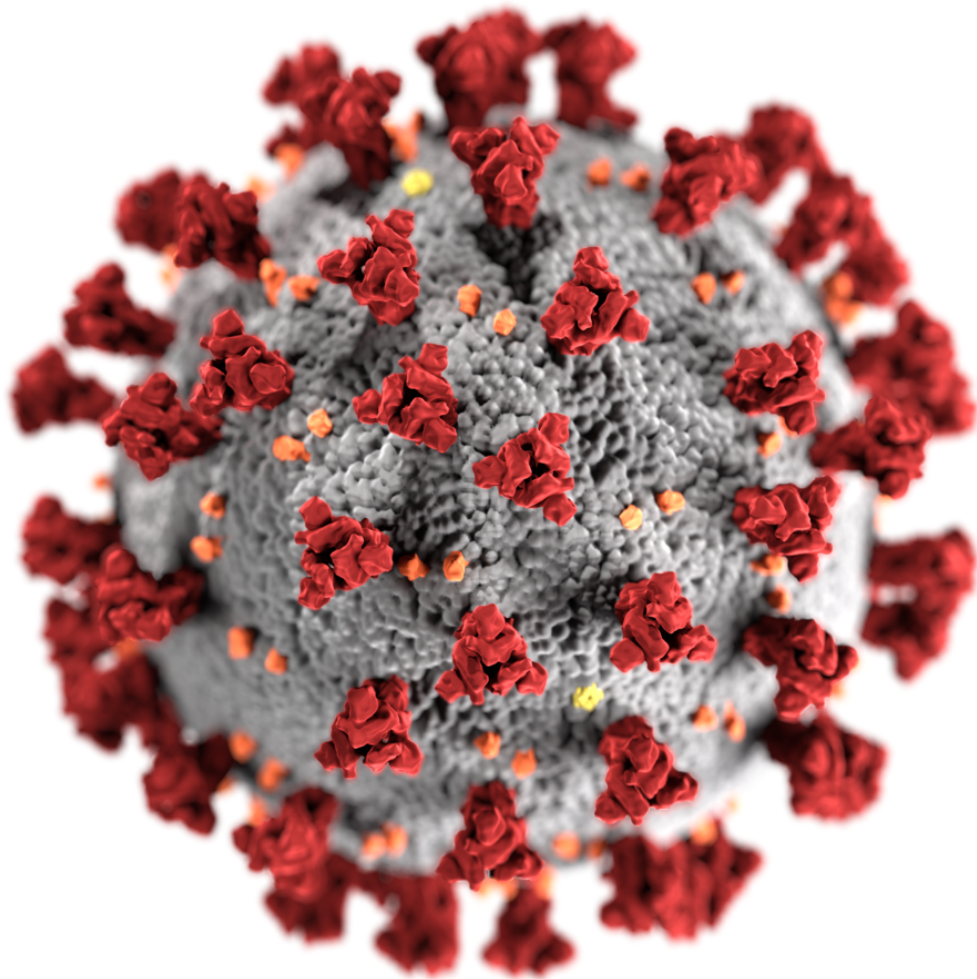




Uncanny Vision[®]

COVID COMPLIANCE MONITORING USING EXISTING CAMERAS & AI-BASED VIDEO ANALYTICS



Uncanny Vision Solutions Pvt Ltd

www.uncannyvision.com | sales@uncannyvision.com



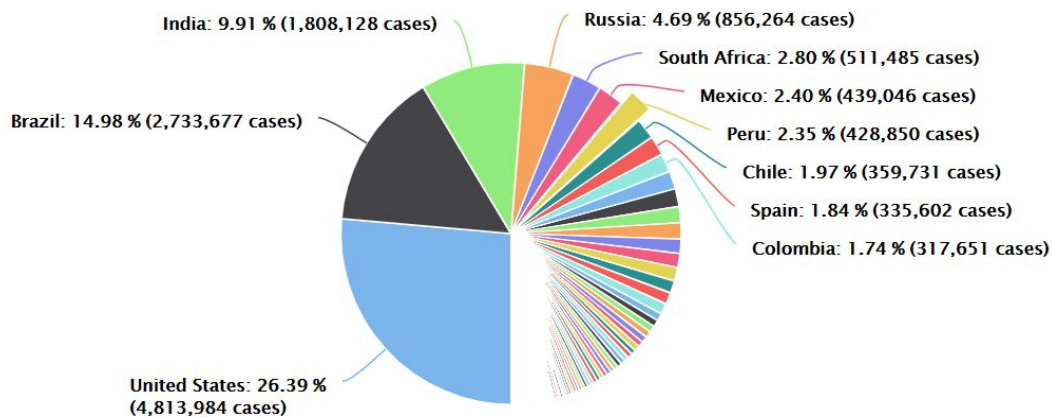
CHALLENGE

With the outbreak of COVID-19 pandemic, there has been an increase in panic among people about the safety of their loved ones. To reduce the spread of this virus, Homeowners Associations (HoA) and other residential apartment communities have been put under a spotlight to take necessary actions to secure their premises. Adapting to the 'New Normal' has become inevitable to live in small/large apartments and communities to curb the spread of the virus.

Maintaining social distancing, not crowding, and wearing masks inside residential complexes are the most prominent guidelines provided by the government to prevent the residents from contracting the virus.

Automation of monitoring compliance to these guidelines reduces close human-to-human interaction, saves cost, and enables faster, actionable responses.

Distribution of cases



Source: Worldometer - www.worldometers.info

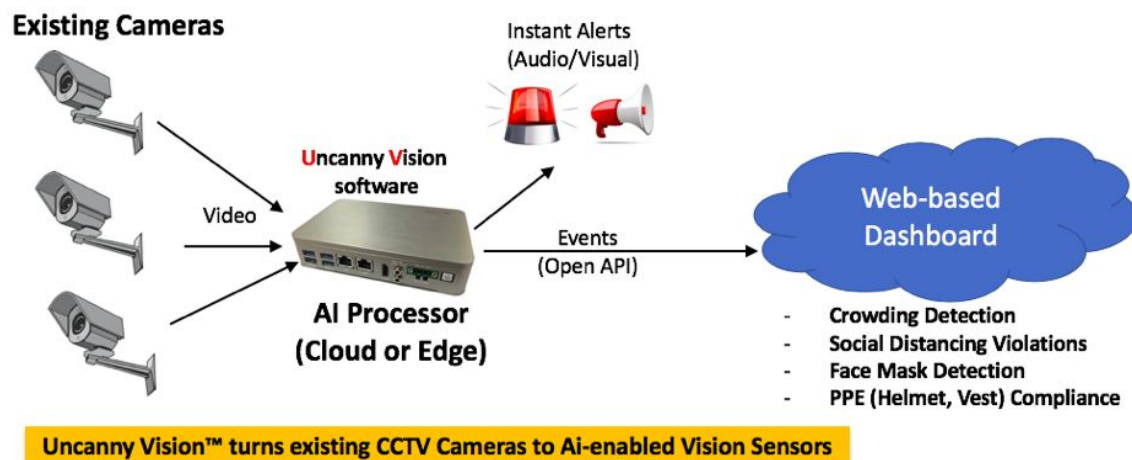


SOLUTION

Artificial Intelligence based video analytics solutions to control the spread of coronavirus by using **surveillance cameras** to automate COVID compliance monitoring.

The solution enables existing CCTV cameras to detect any COVID compliance violation with:

1. Real-time alerts
2. High accuracy
3. Full data privacy
4. Edge/server based processing
5. User friendly dashboard
6. Configurable rules



Architecture

Social Distancing

1. Monitor distance between people in a particular region of interest (ROI).
2. Triggers an alert when the actual distance is less than the recommended distance.





'No Face Mask' Detection

1. AI based face detection algorithm with >95% accuracy.
2. Detects all the faces in the camera view and looks for faces without masks.
3. Triggers an alert upon 'no face mask' detection



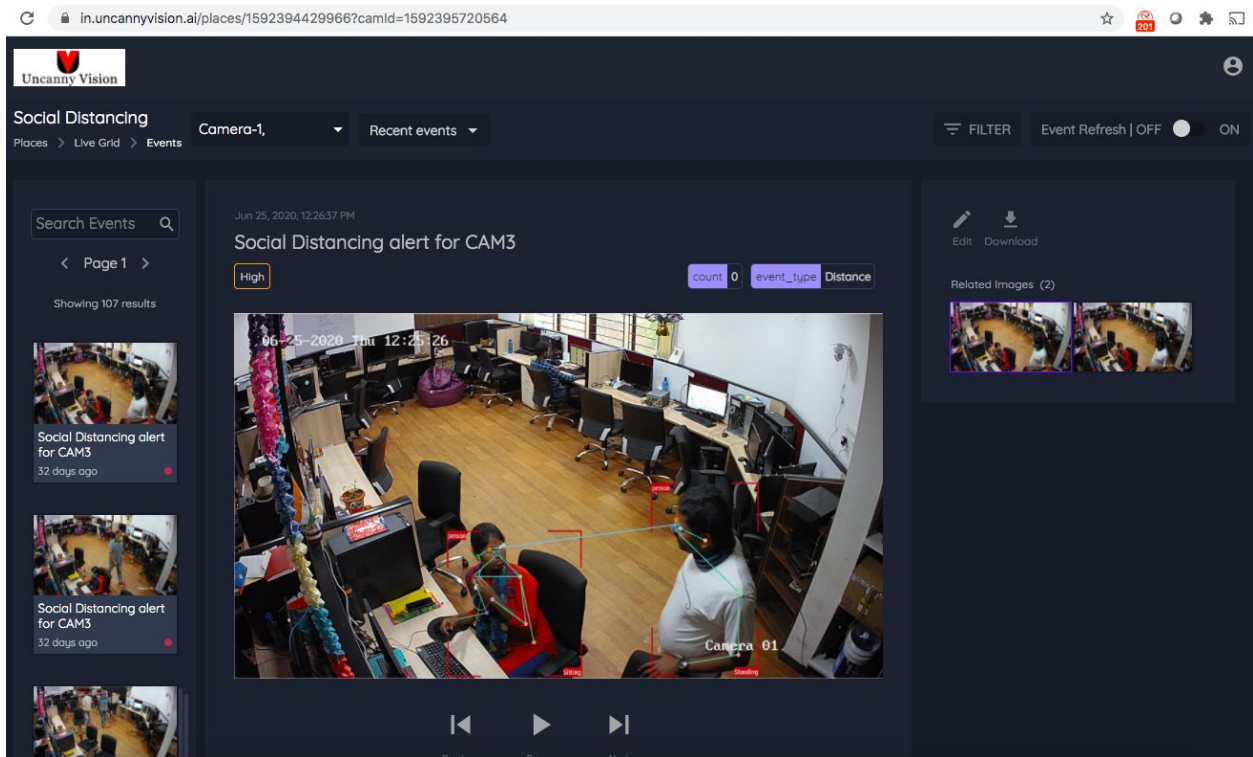
Crowding Detection

1. Monitor movement of the crowd.
2. High accuracy people counting at entry/exit gates.
3. Heat mapping to analysis.



UNCANNY VISION DASHBOARD

The dashboard interface shows a 'Social Distancing' section with a camera feed labeled 'Camera-2'. The main event is titled 'Distance Alert, 2,763 ft' with a 'High' severity level. The video feed shows a building entrance with a 'GINSERV' sign and a person standing near a bicycle rack. The dashboard also features a search bar, a list of related events, and a 'FILTER' button.



Uncanny Vision Dashboard

RESULTS

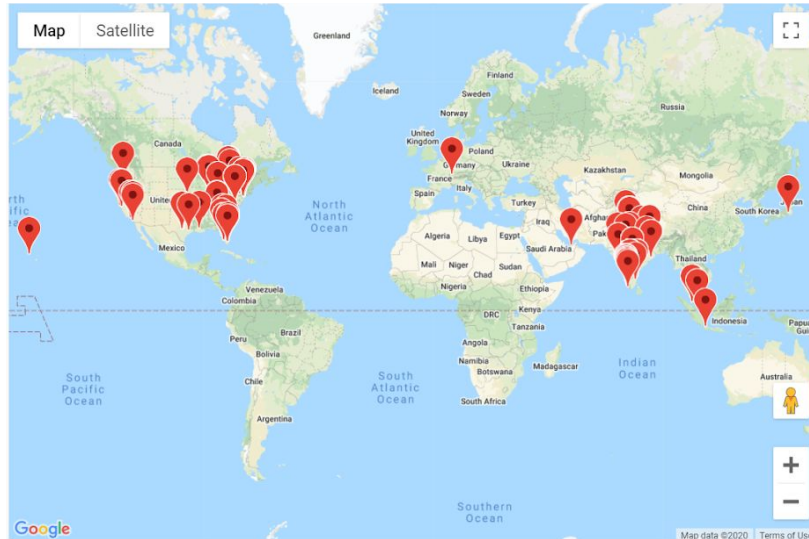
With Uncanny Vision's video analytics solution deployed in airports, entertainment centers, and office spaces, administrators have found it easier than ever to monitor COVID compliances.

Uncanny Vision's faster deployment cycles, high accuracy results, and the fact that our solutions work with existing camera infrastructure, draws the attention of newer customers to our products and services.



About Uncanny Vision

Uncanny Vision is an award-winning AI-based Computer Vision company delivering next generation real-time Edge-based Video Analytics solutions for Smart Cities, Smart Buildings, Smart Parking & Smart Infrastructure – specifically for People & Vehicle Monitoring using cameras. We enable cameras to "see" and "understand" their environment instantly using AI/Deep Learning algorithms. Core solutions include People, Vehicle count, classification as well as high accuracy License Plate Recognition used by many cities around the world. Using unique optimization techniques, Uncanny Vision provides this solution on low-cost Edge AI processing systems powered by Intel and on high performance Data Center or Cloud systems powered by Nvidia.



Our current deployments



**UNCANNY VISION SOLUTIONS
PVT LTD (Headquarters), INDIA**

Ph: +91 97386 75965

**UNCANNY VISION JAPAN G.K
JAPAN**

Ph: +81-90-9157-8522

**UNCANNY VISION AMERICAS
INC, USA**

Ph: 1-4083758731

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Uncanny Vision Solutions Pvt. Ltd.

www.uncannyvision.com | sales@uncannyvision.com