

Snow Detection

Snowing events happen regularly around the world and can cause damage to property and close transportation routes for longer periods of time. Real-time data and alerts about snow levels can help reduce or prevent snow danger and damage.

Noema uses smart cameras and computer vision to monitor snow levels and alarm for heavy snow events on buildings and transportation routes, by applying snow fragmentation techniques. Customizable alarms are sent to operators in real time, during heavy snowing events.

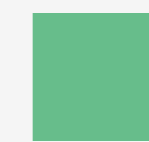


Noema's Snow Detection Application prevents damage caused by excess snowfall using cutting-edge digital snow segmentation techniques.

Features / Specs



Runs at the edge or on the cloud, based on preference



A variety of cameras are supported



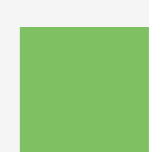
Flexible alarm types



Works in all light & weather conditions

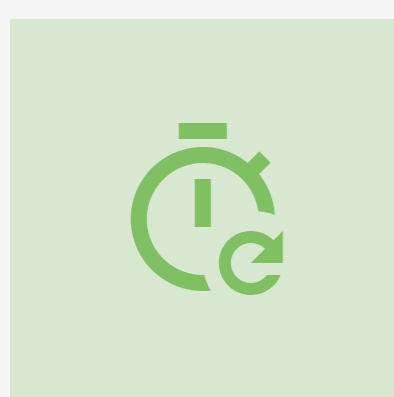


Works with little internet bandwidth



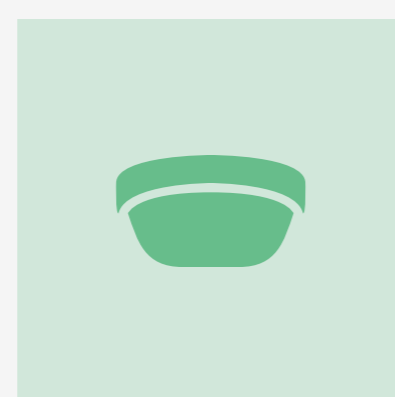
Easy configuration & use

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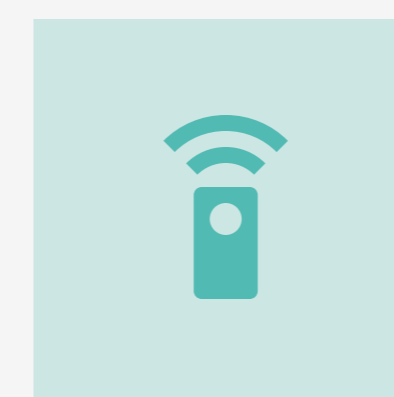
Automated, 24/7 monitoring

Noema's Snow Detection Application runs 24/7 and sends real-time data to a backend of your choice. Real-time metadata and alerts minimize response times to and allows for more insights to be gathered around snow events.



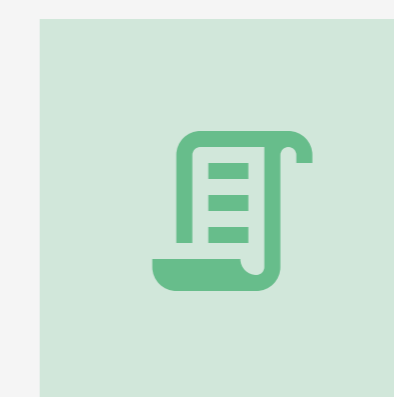
Computing at the Edge

The app operates at the edge, meaning the algorithm runs entirely on the camera. No additional hardware or network connectivity required.



Remote Installation & Configuration

Noema's computer vision applications are easy to install. Mount a new camera or use an existing one and configure the application remotely. No additional on-site hardware or measurements are required.



Data and Integrations

Noema's Snow Detection Application generates easily digestible MQTT metadata that can be integrated into any backend or VMS.

Frame Data:

- Original and augmented camera frame
- Percentage of camera frame where snow is detected
- Timestamp of the event

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