



ELFIN[®]VISION

#innovatingelevators
Computer Vision
technology for elevator

a brand of  ELFIN
technology



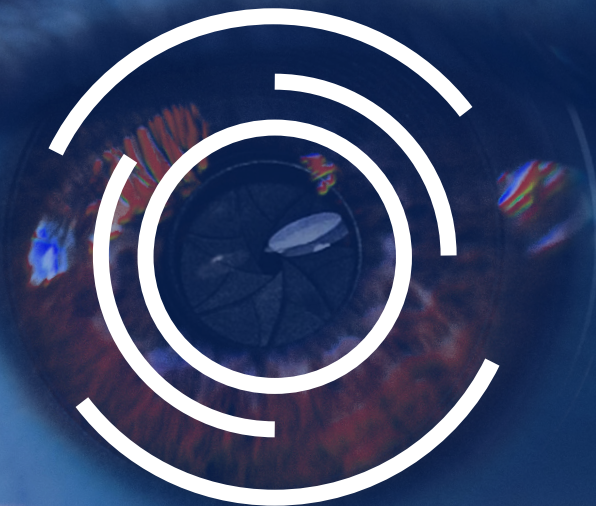
Data protection compliant





What is Computer Vision?

Computer Vision is an innovative technology with a multitude of applications that solves complex problems in the elevator industry, improves elevator safety and efficiency, and can provide more cost-effective alternatives to current expensive solutions. Computer Vision is a field of artificial intelligence that enables machines to analyze images and videos and extract meaningful information from them.



ELFIN®VISION



ELFIN technology has been developing Computer Vision solutions for several years, which reliably capture the recognition of people, objects, and movements even under challenging conditions in elevators (including crowded spaces with many people and objects, frequent movements, changing lighting conditions, and mirrors).

Visit our website to learn more about our ELFIN®VISION products.

elfin.de/vision

Computer Vision in elevators



Optimization of conveyance capacity

CV can recognize and predict how many passengers will use the elevator, when and where they will do so, and allocate cabins more effectively.



Status in emergencies

CV can provide information about the status inside the cabin during emergencies, such as the number and condition of persons (in panic, unconscious, etc.).



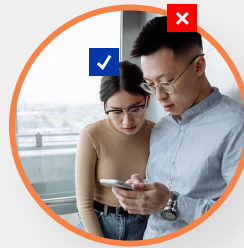
Improvement of safety

CV can, for example, detect wheelchairs, obstacles in the door area, and movements, and subsequently keep the doors open to enhance safety.



Detection of priority rides

CV can, for example, detect beds and enable priority rides in hospitals, allowing them to be prioritized for transportation.



Implementation of access restrictions

With the help of CV, it is possible to determine who enters the elevator and whether the passenger is authorized to travel to a specific floor.



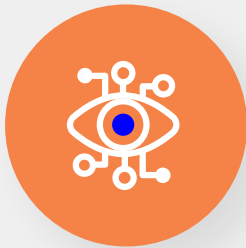
Detection of empty cabins

CV can detect empty cabins, which is relevant for purposes such as handling false alarms or optimizing energy-saving modes.



Monitoring of cabin lighting

CV can detect failures of the cabin lighting and provide this signal for maintenance and elevator attendant services.



In addition to the mentioned applications, there are many other areas where Computer Vision will play an important role in elevators in the future.

Feel free to reach out to us, we are happy to provide guidance and assistance.

The benefits of ELFIN®VISION



**Autonomous system
without cloud connectivity**



Privacy-compliant



**Open interface
to control and
supervisory systems**



**For every elevator,
modernization or
new construction**

If you would like to learn more about ELFIN®VISION

sensors and the application of Computer Vision in elevators, please contact us:

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