



# CONGESTION MANAGEMENT SOLUTION

Enhancing Safety and Comfort  
in Overcrowded Situations



# Congestion Management Solution

Image analysis technology for visualizing crowd density or pedestrian flow under overcrowded situations, which prevents accidents, and makes environments safer and more comfortable.

## Solution Benefits

### Crowd flow estimation



Congestion rate



Number of staying people



Pedestrian traffic



Velocity distribution

## Functionality

### Serious Congestion Detection



Precise and real-time detection of serious congestion using security cameras through NEC original learned crowd behaviour analysis enables efficient navigation in overcrowded situations.

## Best Practice of Crowd Environment Management

Minimizing inherent risks, maximizing values of crowded environments



Real-time detection of overcrowded situations and pedestrian for providing proper navigation to prevent serious crowd accidents



Pedestrian traffic measurement which contribute to comfortable urban design and improving profitability of facility management

## Use Cases

### For stadiums, stations, entertainment parks, commercial facilities, aviation etc.

Prevention of serious crowd accidents by real-time detection of overcrowded situations and proper crowd navigation.



### For facility design, city design etc.

Design support of comfortable and efficient pedestrian space by utilizing statistics of pedestrian traffic such as flow quantity, velocity and density.



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