Patented Technology

IDIS Smart Privacy Masks

See Clearly. Stay Private.

The Challenge of Live Privacy Masking

As the importance of personal data protection has increased, the need for privacy masking in live video has also emerged. Several companies have developed live privacy masking features to meet this demand, primarily supported by object detection and heatmap technology.

However, these technologies present several challenges. Object detection can fail to detect people, and in some cases, masking will not be applied, exposing them in the video. Zone setting masks entire areas, making it hard to distinguish people from objects, resulting in unclear video that is difficult to review efficiently.
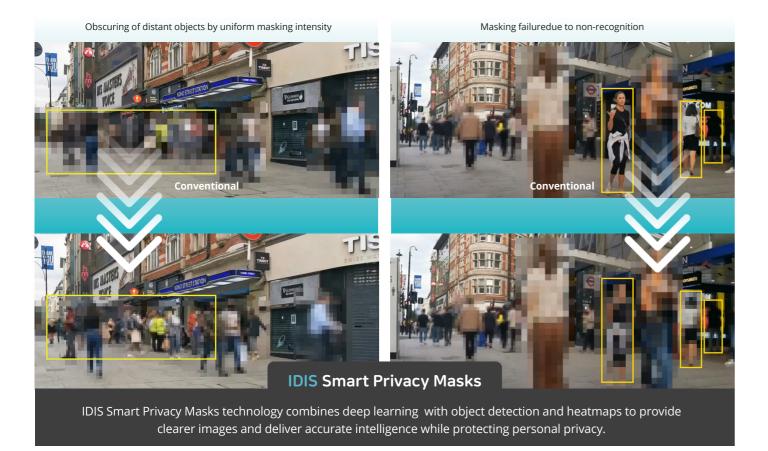
How does live privacy masking balance anonymity with clarity?

The power of IDIS Deep Learning and VMS processing transforms the accuracy of live privacy masking

Conventional privacy masking techniques make it challenging to process intensive masking algorithms in real-time. This can lead to performance degradation, especially when dealing with dynamic environments.

IDIS Smart Privacy Masking is exceptionally resource-efficient because it takes place on board VMS. It ensures stable video transmission with high video resolution and frame rates to retain usable footage while protecting privacy.

As a module within IDIS Solution Suite VMS, IDIS Smart Privacy Masks also add to an already feature-rich array of advanced surveillance tools.

TECHNOLOGY PATENTED TECHNOLOGY

IDIS Smart Privacy Masks

To address these issues, IDIS has invented "Smart Privacy Masks." This patented technology combines the advantages of object detection and heatmaps.

IDIS Smart Privacy Masks utilizes these technologies appropriately depending on the scene, adjusting the mosaic strength to make video streams much clearer. Furthermore, deep learning technology improves object recognition rates, protecting individuals' identities.

Conventional Real-Time Masking — Potential delay an lag in processing frames

VS

IDIS Smart Privacy Masks + VMS — Consistent and intuitive masking across consecutive frames

Obscuring of distant objects by uniform masking intensity — Conventional

Masking failuredue to non-recognition — Conventional

IDIS Smart Privacy Masks

IDIS Smart Privacy Masks technology combines deep learning with object detection and heatmaps to provide clearer images and deliver accurate intelligence while protecting personal privacy.

Benefits of IDIS Smart Privacy Masks

IDIS Smart Privacy Masks is an innovative solution that balances privacy protection and surveillance, making it ideal for public institutions, businesses, and transportation systems. It improves the efficiency of real-time security monitoring by overcoming the limitations of existing technologies.

By ensuring privacy while maintaining video clarity, IDIS Smart Privacy Masks sets a new standard in the security industry, contributing to safer and more reliable surveillance systems.

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