DuraVision **EVS1VS**

Produktbild "" nicht gefunden!

Product Website

The visual evaluation of image recordings or live recordings is critically important. Be it for crime prevention, monitoring and control of infrastructure, detection of product defects, scientific image analysis and numerous other scenarios. However, recordings can be unclear due to uncontrollable circumstances.
 EIZO proves image optimisation can also work outside the monitor with the DuraVision EVS1VS image optimisation system. The system improves the recognisability of video recordings in the areas of security, monitoring, infrastructure maintenance and image analysis in real time.
 DuraVision EVS1VS is installed via HDMI between the signal source (camera or recorder) and the monitor or analysis unit and optimises playback. This simplifies the visual differentiation of image details and facilitates image analysis in AI-supported systems.
 Areas that are difficult to see due to low light, atmospheric haze or other environmental conditions are differentiated in real time and the brightness of each pixel is adjusted to increase detectability. This is useful not only for night or fog visibility, but for also detecting surface irregularities, such as cracks in concrete, tracks, pipes or asphalt.

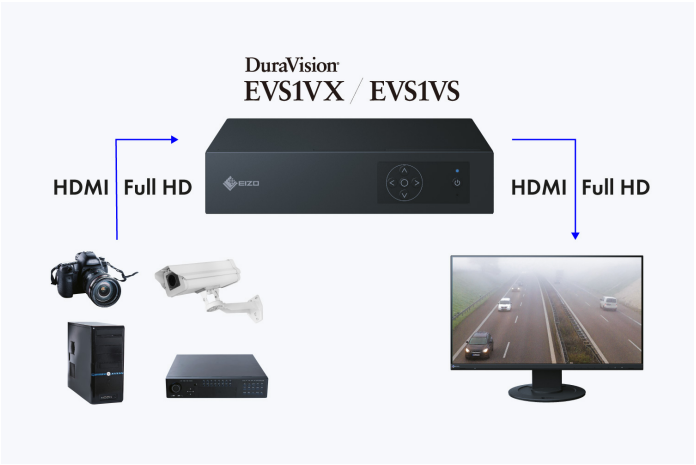
- Simplifies visual differentiation and easier image analysis in AI-based systems
- Installed between signal source and screen or analysis unit, video content is optimised
- 2D noise reduction filters unnatural block artefacts

Image optimization system
For improved visibility

Numerous areas of application

EIZO's image enhancement systems improve visibility in a variety of situations where the accurate review of video content is required, whether it's visual inspection by people or machine evaluation including AI.

Areas such as security (visibilty of suspicious activities and objects), monitoring (detection of irregularities and defects), infrastructure maintenance (maintenance and early detection of dangers) and image analysis benefit from the optimised detectability of video recordings.



Better visibility in real time

The EVS1VS is equipped with EIZO's patented Visibility Optimizer technology which analyses and adjusts images pixel by pixel in real time.

Improve visibility in low light conditions

The DuraVision EVS1VS detects and corrects areas of the image which are difficult to see due to poor lighting conditions. The solution adjusts the brightness of each pixel, ensuring any dark areas are optimally corrected while brighter areas are not washed out. This is useful when recording surveillance video at night or in areas with low light.

Image processing is based on the Retinex theory, where pixels are optimised individually.

With image enhancement

Without image enhancement

Reduce visual impact of haze

The DuraVision EVS1VS detects and corrects areas of the image which appear out of focus due to fog, smoke, snow or other environmental conditions to improve visibility. This is ideal for viewing video footage in outdoor areas.

Improved visibility

Areas of the image that appear blurred

Reduce block noise

The DuraVision EVS1VS uses 2D noise reduction to filter out unnatural blockiness in images and make objects more distinguishable. The processing intensity is automatically adjusted to preserve natural contours and edges. This feature is extremely useful when examining noisy, compressed images.

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