

Real-Time Computer Vision Effects

Driven by powerful computer vision (CV) algorithms, ProHawk Vision dramatically enriches the quality of a live camera stream, or recorded video files. ProHawk Vision fixes noisy, obscured, or unclear live video into sharp, clear video with intricate details. ProHawk Vision's CV algorithms reveal each pixel influenced by surrounding pixels in real time. Traditional products manipulate the full image unable to produce video effects that are intelligible and useable for virtual or postproduction.

ProHawk Vision fixes problems that obstruct capturing good video that stem from the environment. When video is subject to difficult environments, problems fall into two categories: issues with light or lack of it; and issues with various sizes of suspended obstructive particles in the air or water called particulates.

ProHawk Vision resolves environment problems that cause poor video with a variety of features and enhancements, to support more platforms, formats, and conditions while continuing to offer the world's first true video CV restoration solution with unprecedented imagery details.

Live Video Sources

Sharp clear live video render time with no video lag or frame skipping from a live camera using industry standards protocols. Live, virtual production, or post-production recordings, we've got you covered.

AI Effects

Object detection and tracking are powerful AI visual effects, supercharged by ProHawk Vision's patented CV algorithms that increase detection, raise confidence levels, and simply reveal what needs to be seen. Now you can add visual AI detection and tracking effects for things like: Bicycles, Buses, Cars, Motorcycles, People, Trains, and Trucks.

Preset, Custom, & Automatic Filters

A wide range of one-click preset filters let users quickly, efficiently, and confidently reach enriched imagery. There are over 50 presets to help users quickly reach actionable results for a wide range of difficult video environments. Users can now create their own custom one-click preset filters based on their advanced filter settings or automatically using the new auto filter. ProHawk improves poor low- or high-resolution video interpreted by editors or operators.



Natural Color

ProHawk Vision's patented color adjustment algorithm restores natural color caused by difficult environments. Restore natural full color in low contrast situations, while eliminating color oversaturation. See clearly in low contrast fog, rain, and snow or high contrast lighting situations.

Expose Fine Details

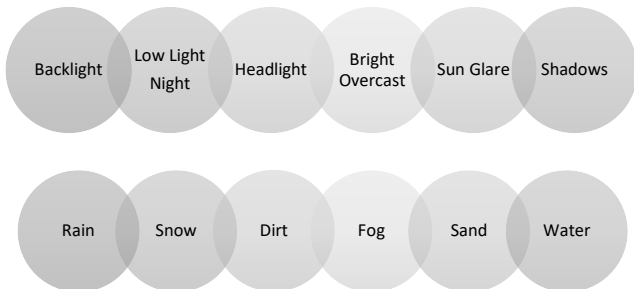
Clearly see fine details to identify specific objects, situations, vehicles, and people. The powerful detail restoration algorithm exposes fine details to reveal small objects and see details that were previously not visible, even with good video. Faces, people, vehicles, and scene details can all be exposed.

Eliminate Effects of Motion

ProHawk Vision has a unique patented motion adaptation algorithm, which eliminates the adverse effects of objects in motion and moving cameras. This controls the residual image effect artifacts caused by movement or camera motion, eliminating annoying ghosting and ringing imagery.



Control Environment Problems



- Integrate with Any IP Camera or Recording
- Enrich Visual Quality on Virtual Sets
- Expose Stunning Details in Imagery
- Real Time Virtual Production Effects
- Cut Months Off Production Reducing Expenses
- Dramatically Increase Visual Effectiveness
- Control Challenging Scene Visibility
- Increase Pop & Visual Appeal for Viewers
- Eliminate Reshooting Scenes
- Turn Images & Videos into Paintings
- Add Artificial Intelligence Effects

System Requirements

Operating Systems: Windows 7, 8, 10, or 11

NVIDIA GPUs: Maxwell, Kepler, Pascal, Volta, Turing, Ampere



ProHawk Vision – Powerful AI



ProHawk®

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PROHAWK VISION™ 6.0

Better Production with Cost Savings

Automatic Computer Vision Restoration