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(57) Abstract :

The present invention relates to a image/ video defogging method, comprising the steps of capturing a real time video of a degraded environment, wherein the environment is degraded by presence of suspended particles, pre-processing the video by compressing size of the video for enhancing the computation speed, evaluating a gradient value from the pre-processed video for detecting a set of parameters in order to remove fog, estimating an atmospheric light value and a transmission map based on the gradient value, applying a hybrid filter on the transmission map to refine quality of the pre-processed video, restoring visibility in the refined video by eliminating a distortion from the refined video and analyzing the de-hazed video for predicting an amount of suspended particles present in the degraded environment.

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