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(57) Abstract :

The present disclosure relates to a system (100) for de-fogging video, the system includes a processor (104) operatively coupled to an image capture device (102), the processor configured to receive one or more frames of a physical scene, analyze at least one frame of the one or more frames to extract de-fogging parameters of the at least one frame, acquire a de-fogged frame by removing fog from at least one frame using a de-fogging filter, compare the extracted de-fogging parameters of the at least one frame with consecutive frames to determine correlation, wherein, based on the determination of correlation of the at least one frame with the consecutive frames, the processor is configured to remove fog from the consecutive frames to facilitate in increasing speed of de-fogging the one or more frames.

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