

Efficient Techniques For Dehazing Methods

Tech ID: 24731 / UC Case 2015-023-0

TECHNOLOGY DESCRIPTION

UCSD inventors, in a collaboration with inventors from Korea, have come up with a new technique that enhances methods used to remove haze from images and videos.

The main advantages of this invention are

- 1) Reduces the memory resources as well as implementation complexity by a factor of 3 (comparing to conventional approach of dehazing in the RGB domain).
- 2) Reduces computational complexity and memory resources by at least three times (or more) in estimating atmospheric light
- 3) Any existing dehazing methods can benefit from this invention

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	9,870,600	01/16/2018	2015-023

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OTHER INFORMATION

KEYWORDS

video processing, computer vision,
advanced driver assistant
system(ADAS), surveillance, scene
type detection, automatic navigation

CATEGORIZED AS

- ▶ Computer
 - ▶ Software
- ▶ Imaging
 - ▶ Software

RELATED CASES

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