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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	Туре	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

2015-023-0

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