

Standard of the Camera & Imaging Products Association  
Sensitivity of digital cameras

CIPA DC-X004(2004)

Summary

The purpose of the CIPA standard, namely, 'Sensitivity of digital cameras', is to specify a characteristic of sensitivity of digital cameras.

As a standard related with sensitivity characteristics, ISO 12232 was formulated in 1998, which defines ISO speed of digital cameras. However, it stipulates that the main value of 'ISO noise speed' should not be applied to a camera with lossy compression. Therefore it had application restrictions on general consumer cameras. For that reason, two new characteristics, namely, 'Standard Output Sensitivity' and 'Recommended Exposure Index', are defined as the characteristics that are applicable widely to general consumer cameras and can be listed as sensitivity values in catalogues, etc.

'Standard Output Sensitivity' is a physical measurement value specified as being based on the light responsiveness of cameras (imaging systems). 'Recommended Exposure Index' is an index of exposure recommended by the vendors of cameras based on the image quality sensory evaluation. Therefore, they are conceptually different, but in terms of usage of a camera, both play a similar function pertaining to exposure control. They are both an index expressing the 'practical sensitivity' indicating the necessary amount of light for cameras (imaging systems).

This standard specifies both indicators as sensitivity of digital cameras and stipulates notational terms to be listed in catalogues, etc.

Sensitivity of Digital Cameras=====

< Introduction >

1. Scope The CIPA Standard DC-X004 (2004) (hereinafter called "this standard") is applicable to consumer digital still cameras.

2. This document comprises three parts as follows:

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3. Summary < Omission >

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Explanation

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