IEC 63033-2

Edition 1.0 2018-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Car multimedia systems and equipment – Drive monitoring system
Part 2: Recording methods of the drive monitoring system

Systèmes et équipements multimédias pour automobiles – Système de surveillance de la conduite
Partie 2: Méthodes d'enregistrement du système de surveillance de la conduite

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CAR MULTIMEDIA SYSTEMS AND EQUIPMENT – DRIVE MONITORING SYSTEM

Part 2: Recording methods of the drive monitoring system

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International Standard IEC 63033-2 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this International Standard is based on the following documents:

CDV	Report on voting
100/3029/CDV	100/3134/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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INTRODUCTION

This document specifies recording methods of the drive monitoring system that is specified in IEC TS 63033-1, which also specifies the model for generating the surrounding visual image of the drive monitoring system. The system allows drivers to monitor the car's perimeter in real time by using "free eye point" technology, which allows drivers to dynamically change the viewing perspective, offering the most appropriate views according to the driving situation.

IEC 63033-2 specifies recording methods of the drive monitoring system in order to view the recorded video file with "free eye point" technology.

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CAR MULTIMEDIA SYSTEMS AND EQUIPMENT – DRIVE MONITORING SYSTEM

Part 2: Recording methods of the drive monitoring system

1 Scope

This part of IEC 63033 specifies recording methods of the drive monitoring system that is specified in IEC TS 63033-1 in order to view the recorded video file with free eye point technology.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC TS 63033-1:2017, *Car multimedia system and equipment – Drive monitoring system – Part1: General*

3 Terms, definitions and abbreviated terms

3.1 General

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
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3.2 Abbreviated terms

GNSS global navigation satellite system

SIM stream information and metadata

4 System model

4.1 General

IEC 63033-2 specifies recording methods of the drive monitoring system. Specifically, the recording from a vehicle-mounted camera as obtained by the drive monitoring system, and also a model for the replay of the recorded video. The purpose of the replay of the recorded video can be considered in various ways, such as verification at the occurrence of an accident, as legal proof, for reviewing driving behaviour and use at educational sites.

There are two types of recorded videos: recording of each camera image (referred to as "recording 1"), and recording of the composite image (referred to as "recording 2"). For replay of the recorded videos, the related metadata (refer to 4.2.2.3 and 4.2.3.3) is simultaneously saved in recording 1 and recording 2. These recorded files are transferred by the portable recording medium or via a network, where they can be later replayed by the user for use.

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