

<b>STN</b>	<b>Multimediálne systémy a vybavenie pre vozidlá</b> <b>System priestorového zobrazenia</b> <b>Časť 1: Všeobecne</b>	<b>STN</b> <b>EN IEC 63033-1</b>  36 8001
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Multimedia systems and equipment for vehicles - Surround view system - Part 1: General

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/22

Obsahuje: EN IEC 63033-1:2022, IEC 63033-1:2022

**135249**



EUROPEAN STANDARD

**EN IEC 63033-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2022

ICS 33.160.99; 43.040.15

English Version

**Multimedia systems and equipment for vehicles - Surround view system - Part 1: General  
(IEC 63033-1:2022)**

Systèmes et équipements multimédias pour véhicules -  
Système de vision panoramique - Partie 1: Généralités  
(IEC 63033-1:2022)

Multimedia Systeme und Einrichtungen für Fahrzeuge -  
Rundumsicht System - Teil 1: Allgemeines  
(IEC 63033-1:2022)

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The text of document 100/3728/FDIS, future edition 1 of IEC 63033-1, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63033-1:2022.

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IEC 63033-1

Edition 1.0 2022-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Multimedia systems and equipment for vehicles – Surround view system –  
Part 1: General**

**Systèmes et équipements multimédias pour véhicules – Système de vision  
panoramique –  
Partie 1: Généralités**



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IEC 63033-1

Edition 1.0 2022-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Multimedia systems and equipment for vehicles – Surround view system –  
Part 1: General**

**Systèmes et équipements multimédias pour véhicules – Système de vision  
panoramique –  
Partie 1: Généralités**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS 33.160.99; 43.040.15

ISBN 978-2-8322-1095-0

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SURROUND VIEW SYSTEM –****Part 1: General****FOREWORD**

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This first edition cancels and replaces IEC TS 63033-1 published in 2017. This edition constitutes a technical revision.

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

Draft	Report on voting
100/3728/FDIS	100/3751/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

A list of all parts in the IEC 63033 series, published under the general title *Multimedia systems and equipment for vehicles – Surround view system*, can be found on the IEC website.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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## INTRODUCTION

The purpose of this document is to specify the model for generating the surrounding visual image of the surround view system, which provides drivers with an image of the car's surroundings. The surround view system is characterised by audio-visual monitoring and recording, which is part of the car's multimedia equipment.

When manoeuvring, the driver relies on the images provided by the rear-view monitor for parking assistance, the blind spot monitor for displaying views of the blind spots at intersections with poor visibility, and the bird's-eye view monitor. But each surround view system provides a different viewpoint to the driver. It's a heavy burden for a car driver to switch between these systems and quickly recognize the multiple fields of view. And the fields of view are limited to these camera systems, and they cannot freely change the viewpoint depending on the driving situation. Thus, the usage range of these systems is limited to such manoeuvres as parking assistance. Furthermore, on commercial vehicles such as trucks and buses, and special vehicles such as construction machinery and agricultural machinery, the usage range of these systems is even more limited. Nobody can assist drivers of large vehicles in ensuring the car's correct position.

With a surround view system, it is possible to quickly ensure the car's proper positioning in various driving situations. And not only for passenger cars, but good positioning can also be quickly ensured for commercial vehicles and special vehicles.

This document specifies the model for generating the surrounding visual image of the surround view system. IEC 63033-2 specifies the information sets that are provided by the surround view system, and recording methods for that information and visual images. IEC 63033-3 specifies the measurement methods of surrounding visual images for the surround view system.

# MULTIMEDIA SYSTEMS AND EQUIPMENT FOR VEHICLES – SURROUND VIEW SYSTEM –

## Part 1: General

### 1 Scope

This part of IEC 63033 specifies the model for generating the surrounding visual image of the surround view system.

### 2 Normative references

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**