

ICS 43.040.10
T 36



中华人民共和国国家标准
NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 38892-2020

On-Board Driving Video Recording System
车载视频行驶记录系统

Issued on 2020-06-02

Implemented on 2020-12-01

Jointly Issued by
State Administration for Market Regulation of the People's Republic of China &
Standardization Administration of the People's Republic of China

CONTENTS

Foreword	II
1 Scope	1
2 Normative References	1
3 Terms and Definitions	1
4 Abbreviations and Symbols	2
5 Requirements	3
6 Test Methods	10
Annex A (Informative) Durability test	19
Annex B (Informative) Computation Model of Durability test.....	20
Annex C (Informative) Dynamic Image Quality Evaluation	23

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On-Board Driving Video Recording System

1 SCOPE

This Standard specifies the requirements and test methods of the on-board driving video recording system.

This Standard applies to the on-board driving video recording systems (hereinafter referred to as "the system") intended for the vehicles of Category M₁, while the system intended for the vehicles of other category may use this standard as a reference.

2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply.

GB/T 1865-2009 Paints and varnishes - Artificial weathering and exposure to artificial radiation - Exposure to filtered xenon-arc radiation

GB/T 18655-2018 Vehicles, boats and internal combustion engines-Radio disturbance characteristics-Limits and methods of measurement for the protection of on-board receivers

GB/T 19951-2019 Road vehicles - Disturbances test methods for electrical/electronic component from electrostatic discharge

GB/T 21437.2-2008 Road vehicles - Electrical disturbances from conduction and coupling - Part 2: Electrical transient conduction along supply lines only

GB/T 21437.3-2012 Road vehicles - Electrical disturbances from conduction and coupling - Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines

GB/T 28046.2-2019 Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads

GB/T 28046.3-2011 Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads

GB/T 28046.4-2011 Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads

GB/T 28046.5-2013 Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 5: Chemical loads

GB/T 30038-2013 Road Vehicles - Degrees of Protection (IP-Code) - Protection of electrical equipment against foreign objects, water and access

GB 34660-2017 Road vehicles - Requirements and test methods of electromagnetic compatibility

QC/T 1128-2019 Automotive camera

3 TERMS AND DEFINITIONS

For the purpose of this document, the following terms and definitions apply.

3.1 On-board driving video recording system (DVR)

A system, which is installed in the vehicle, which displays, records and stores the vehicle front driving image in the manner of video streaming, and by which the video data recorded and stored are accessible

3.2 Frame rate

Number of frames producing complete image in unit time

Note: the total number of scanning video signal spatial lines in unit time, expressed in frame per



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