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ICS 93.080.30
CCS R 84

GA

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 496-2014

Replacing GA/T 496-2009

General technical specifications for automatic recording systems of red light cameras

闯红灯自动记录系统通用技术条件

(English Translation)

Issued on: October 24, 2014 **Implemented on: December 1, 2014**

Issued by: Ministry of Public Security

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Instead of the standard GA/T 496-2009 "red light automatic recording system general technical conditions." this standard compared with GA/T 496-2009, in addition to editorial changes outside the main technical changes are as follows.

--- Modify the terms of the behavior of motor vehicles running red lights (see 31, 2009 version 3.1.);

--- Modify the term red light running automated recording system (see 32, 2009, version 3.2.);

--- Modify the terms of the effective number of records (see 33, 2009 version 3.3.);

--- Number of deleted records term (see 2009 edition 3.4);

--- Increasing the term license plate recognition accuracy (see 3.6);

--- Modify the composition requirements (see 411, 2009 Edition 4.1.1.);

--- Increasing the model requirements (see 4.1.4);

--- Modify the behavior of the vehicle through a red light requirements for records (see 4311, 2009 version 4.3.1...);

--- Increasing the driver's facial features requirements for records (see 4.3.1.2);

--- Modify the image recording requirements (see 4313, 2009, version 4.3.2...);

--- Modify the information requirements for records (see 4314, 2009, version 4.3.3...);

--- Modify the requirements of timing errors (see 4317, 2009 version 4.3.6...);

--- Modify the networking requirements of data transmission (see 43182, 2009 edition 4.3.7.2...);

--- Modify the requirement plate recognition (see 4321, 2009 edition 4.3.8.1...);

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--- Modify the recording function requirements (see 4322, 2009 version 4.3.8.2...);

--- Increase requested by the vehicle image recording function (see 4.3.2.3);

--- Recording an increase of retrograde functional requirements (see 4.3.2.4);

--- No increase in the desired direction of travel into the guide lanes record functional requirements (see 4.3.2.5);

--- Increasing the recording does not follow the lane functional requirements (see 4.3.2.6);

--- Increased requirements for traffic recording function (see 4.3.2.7);

--- Increase the ground requirements (see 4.4.5);

--- Modify the climate adaptation requirements (see 46, 2009 version 4.6.);

--- Increasing the driver's facial features recorded testing requirements (see 5.4.1.2);

--- Modify the network data transmission testing requirements (see 54171, 2009 edition 5.4.6.1...);

--- Increased vehicular traffic image recording function testing requirements (see 5.4.2.3);

--- Increased retrograde recording function testing requirements (see 5.4.2.4);

--- No increase in the desired direction of travel into the guide lanes functional testing requirements (see 5.4.2.5);

--- Increased not follow the lane record testing requirements (see 5.4.2.6);

--- Increased traffic recording function testing requirements (see 5.4.2.7);

--- Modify the installation and operating conditions (see Chapter 7, Chapter 7, 2009 edition).

This standard is proposed and managed by the Ministry of Public Security Traffic Management Standardization Technical Committee.

1 Scope

This standard specifies the technical requirements of red light running automated recording system, as well as test methods, inspection rules and the installation and operation conditions.

This standard applies to red light running automated recording system.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references,

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the latest edition (including any amendments) applies to this document.

GB/T 2423.1 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold GB/T 2423.2 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat GB/T 2423.3 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test GB/T 2423.5 Environmental testing for electric and electronic products Part 2. Test methods Test Ea and guidance. Shock GB/T 2423.10 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) GB/T 17626.2 Electromagnetic compatibility Testing and measurement techniques - Electrostatic discharge immunity test GB/T 17626.4 Electromagnetic compatibility Testing and measurement techniques - Electrical fast transient burst immunity test GB/T 17626.5 electromagnetic compatibility test and measurement technology surge (impact) immunity test GB/T 17626.11 Electromagnetic compatibility Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests GB/T 24726 video traffic information collection vehicle detector GB/T 26942 loop vehicle detectors GB/T 28181 security information transmission network video surveillance systems, switching, control technology requirements GB/T 50198 civil closed circuit monitoring TV system engineering GA/T 16.31 Traffic Management Information Code Part 31. Classification and codes for traffic violations GA 36 People's Republic of China motor vehicle license plate GA 329.3 national traffic management information database specification - Part 3. Traffic Management Information Base specification illegal GA/T 497 road vehicles intelligent monitoring and recording system general technical conditions GA 648 traffic monitoring information data specification GA/T 832 road traffic safety violations image forensics Technical Specifications GA/T 870 red light running automated recording system Acceptance of Communication protocols GA/T 920 road traffic signal controller and inter-vehicle detector GA/T 1043 Road traffic monitoring equipment operation and maintenance specifications GA/T 1202 traffic monitoring fill light imaging devices General ISO/IEC 15444:2000 Informationtechnology-JPEG2000imagecodingsystem (IT -JPEG2000 image encoding technique)

3 Terms and Definitions

The following terms and definitions apply to this document.

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