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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 995-2012

Technical specifications for video forensics devices for violations of road traffic safety

道路交通安全违法行为视频取证设备技术规范

(English Translation)

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Foreword

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

This standard replaces GA/T 995-2012 "Technical Specification for Video Evidence Equipment for Road Traffic Safety Illegal Activities": With GA/T 995-Compared with:2012, in addition to editorial changes, the main technical changes are as follows:

--- Deleted the terms and definitions of SD video (see 3.1 in the:2012 edition);

--- Deleted the terms and definitions of HD video (see 3.2 in the:2012 edition);

---Modified the terms and definitions of video forensics equipment (see 3.1, 3:3 in:2012 edition);

---Added the terms and definitions of panoramic features (see 3.2);

---Modified the terms and definitions of the capture rate (see 3.3, 3:4 in the:2012 edition);

--- Deleted the terms and definitions of effective capture (see 3.5 in the:2012 edition);

---Modified the control interface requirements (see 4.5:6,:2012 edition 4:4);

---Modified the requirements of the video capture unit (see 4.4, 5:1 in the:2012 edition);

---Added video processing unit requirements (see 4.5);

---Added application software requirements (see 4.6);

---Modified the basic functional requirements (see 5.1, 4:2 of the:2012 edition);

--- Revised the record of violations (see 5.2:1, 5:3 of the:2012 edition);

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---Modified the vehicle characteristic record (see 5.2:2, 5:3 of the:2012 edition);

---Added driver's facial feature records (see 5.2:3);

---Added automotive electronic identification reading and comparison (see 5.2:4);

---Added video stream image extraction (see 5.2:5);

--- Modified on-site monitoring (see 5.3:1, 4:3 in the:2012 edition);

---Added target tracking (see 5.3:2);

---Added multi-stream recording (see 5.3:3);

---Added traffic statistics (see 5.3:4);

---Modified the electrical safety performance and electromagnetic compatibility performance (see 5.4, 5:5, 5:7 in the:2012 edition);

---Modified environmental adaptability (see 5.6, 5:8 and 5:9 of the:2012 edition);

---Modified the general requirement test (see 6.1, 6:1, 6:4, 6:5, 6:11, 6:12, 6:13, 6:14, 6:15 of the:2012 edition);

---Modified the illegal evidence collection function test (see 6.2,:2012 version of 6:2, 6:3, 6:7, 6:8, 6:9, 6:10);

---Modified the video surveillance function test (see 6.3,:2012 version 6:6);

---Modified the electrical safety performance test and electromagnetic compatibility performance test (see 6.4, 6:5, 6:16 in the:2012 edition);

---Modified the environmental adaptability test (see 6.6, 6:17 and 6:18 of the:2012 edition);

---The installation requirement test is deleted (see Chapter 7 of the:2012 edition);

---Modified the device parameter configuration (see Appendix A, Appendix A of the:2012 edition);

---Added the video forensic record elements of common road traffic safety violations (see Appendix B):

This standard was proposed and managed by the National Road Traffic Management Standardization Technical Committee (SAC/TC576):

Drafting organizations of this standard: Traffic Management Research Institute of Ministry of Public Security, Shenzhen Keliweixun Technology Co:, Ltd:, Wuxi Huishi Technology Co:, Ltd:

Limited company:

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1 Scope

This standard specifies the general requirements, technical requirements, and test methods for video forensics equipment for road traffic safety violations:

This standard applies to video forensics equipment for road traffic safety violations, and other video equipment for road traffic safety violations records the elements can be implemented by reference:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article Pieces: For undated references, the latest version (including all amendments) applies to this document:

GB/T 2423.1 Environmental testing of electrical and electronic products Part 2: Test methods Test A: Low temperature GB/T 2423.2 Environmental testing of electric and electronic products Part 2: Test method Test B: High temperature GB/T 2423.3 Environmental Test Part 2: Test Method Test Cab: Constant Damp Heat Test GB/T 2423.5 Environmental Test Part 2: Test Method Test Ea and Guideline: Impact GB/T 2423.10 Environmental Test Part 2: Test Method Test Fc: Vibration (Sine) GB/T 2423.17 Environmental testing of electrical and electronic products Part 2: Test method Test Ka: Salt spray GB/T 2423.22 Environmental Test Part 2: Test Method Test N: Temperature Change GB/T 2423.56 Environmental Test Part 2: Test Method Test Fh: Broadband Random Vibration and Guidelines GB/T 4208 Shell protection grade (IP code) GB/T 17626.2 Electromagnetic compatibility test and measurement technology Electrostatic discharge immunity test GB/T 17626.3 Electromagnetic compatibility test and measurement technology Radio frequency electromagnetic field radiation immunity test GB/T 17626.4 Electromagnetic compatibility test and measurement technology Electrical fast transient pulse group immunity test GB/T 17626.5 Electromagnetic compatibility test and measurement technology surge (impact) immunity test GB/T 17626.11 Electromagnetic compatibility test and measurement technology Voltage sag, short-term interruption and voltage change immunity test GB/T:19951 Test method for immunity of electrical/electronic components of road vehicles to electrostatic discharge GB/T 21437.2 Road vehicle electrical disturbance caused by conduction and coupling-Part 2: Electrical transient conduction along power lines GB/T 30147-2013 Technical requirements for real-time intelligent analysis equipment for security surveillance video GB 35114-2017 Public security video surveillance network information security technical requirements GA 36 People's Republic of China Motor Vehicle Number Plate GA/T 832 Technical Specification for Image Forensics of Road Traffic Safety Illegal Acts GA/T 833 Technical Specification for Automatic Recognition of Motor Vehicle Number Plate Image GA/T 1127 General technical requirements for security video surveillance cameras

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3 Terms and definitions

The following terms and definitions apply to this document:

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