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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GA/T 1708-2020

**Thermal image equipment used for video surveillance in
security systems**

安全防范视频监控红外热成像设备

(English Translation)

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Foreword

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

Please note that certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents.

This standard was proposed by the Science and Technology Information Bureau of the Ministry of Public Security.

This standard is under the jurisdiction of the National Standardization Technical Committee for Security and Alarm System (SAC/TC100).

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1 Scope

This standard specifies the composition, classification and identification, technical requirements, test methods, and inspection regulations of infrared thermal imaging equipment for security protection video surveillance Rules, document provision, and marking, packaging, transportation and storage.

This standard applies to the design, manufacturing and inspection of infrared thermal imaging equipment in the field of security and video surveillance, and infrared thermal imaging in other fields Equipment can be used for 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 191 Packaging, Storage and Transportation Graphic Mark GB/T 2423.5-2019 Environmental Testing Part 2: Test Method Test Ea and Guideline. Impact GB/T 2828.1-2012 Sampling inspection procedure by attributes Part 1: Batch inspection sampling searched by acceptance quality limit (AQL) plan GB/T 2829-2002 Periodic Inspection Attribute Sampling Procedure and Table (Applicable to the inspection of process stability) GB/T 4208-2017 Enclosure protection grade (IP code) GB/T 9254-2008 Information technology equipment wireless disturbance limits and measurement methods GB/T 9969-2008 General Rules of Industrial Product Manual GB/T 15211-2013 Environmental adaptability requirements and test methods for security alarm equipment GB 16796-2009 Safety requirements and test methods for security alarm equipment GB/T 17626.2-2018 Electromagnetic compatibility test and measurement technology Electrostatic discharge immunity test GB/T 17626.3-2016 Electromagnetic compatibility test and measurement technology Radio frequency electromagnetic field radiation immunity test GB/T 17626.4-2018 Electromagnetic compatibility test and measurement technology Electrical fast transient pulse group immunity test GB/T 17626.5-2019 Electromagnetic compatibility test and measurement technology surge (impact) immunity test GB/T 17626.11-2008 Electromagnetic compatibility test and measurement technology Voltage sag, short-term interruption and voltage change immunity test GB/T 18287-2013 General specification for lithium-ion batteries and battery packs for mobile phones GB/T 19870-2018 Industrial inspection infrared thermal imager GB/T 28181-2016 Technical requirements for information transmission, exchange and control of public security video surveillance networked systems GB/T 25724-2017 Public security video surveillance digital video and audio coding and decoding technical requirements GA/T 1127-2013 General technical requirements for security video surveillance cameras GA/T 1355-2018 National Standard GB/T 28181-2016 Compliance Test Specification GA/T 1356-2018 National Standard GB/T 25724-2017

Compliance Test Specification

3.1 Terms and definitions

The following terms and definitions defined in GB/T 19870-2018 and GA/T 1127-2013 apply to this document.