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

GA/T 1400.2-2017

**Video and image information application system for public
security - Part 2: Technical requirements for application
platform**

公安视频图像信息应用系统 第2部分：应用平台技术要求
(English Translation)

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Foreword

GA/T1400 Video and image information application system for public security
is divided into four parts.

- Part 1. General technical requirements;
- Part 2. Application platform technical requirements;
- Part 3. Database technical requirements;
- Part 4. Interface protocol requirements.

This part is part 2 of the GA/T 1400.

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

1 Scope

This part specifies the technical requirements for the structure, function and performance of the public security video image information application platform.

This part is applicable to planning design, software development, deployment implementation, inspection and acceptance, and operation and maintenance of

the public security video image information application platform.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 28181-2016 Technical requirements for information transport, switch and control in video surveillance network system for public security

GA/T 669.1-2008 Technical standard of city area monitoring and alarming network system - Part 1. General specification

GA/T 669.2-2008 Technical standard of city area monitoring and alarming network system - Part 2. Technical specification of security

GA/T 669.7-2008 Technical standard of city area monitoring and alarming network system - Part 7. Technical specification of management platform

GA/T 1399-2017 Public security video image analysis system

GA/T 1400.1-2017 Video and image information application system for public security - Part 1. General technical requirements

GA/T 1400.3-2017 Video and image information application system for public security - Part 3. Database technical requirements

GA/T 1400.4-2017 Video and image information application system for

b) It should support the access to other information systems in accordance with the relevant requirements of the public security information system, to realize the connection with the police comprehensive platform, resource platform and other systems.

5.1.6 Unified certification and authentication system access

It should support access to a unified certification and authentication system.

5.2.1 Video surveillance basic application

It shall comply with the provisions of GA/T 669.7-2008, have video browsing, video download/playback, cloud mirror control and other basic video surveillance applications.

5.2.2 Collection annotation

The collection annotation function shall meet the following requirements.

- a) Support the collection and annotation for the video clips or images during online video viewing or video playback;
- b) Support the collection and annotation of video image information through offline video image information collection device, support mirror copy, data copy, video clip copy, image capture, and other collection methods, and can carry out information annotation;
- c) The information content annotated for video clips, images, etc., complies with the provisions of GA/T 1400.3-2017.

5.2.3 Inquiry and retrieval

The inquiry and retrieval functions meet the following requirements.

- a) Support inquiry and retrieval of keyword fuzzy inquiry and combination of object attributes based on video image information object feature attributes;
 - b) It shall support the inquiry and analyses based on the vehicle's license plate number, vehicle type, passing time, passing position, and other characteristics of motor vehicles and their combinations, such as vague and precise inquiry of vehicle number plate, vehicle trajectory analysis, space-time collision analysis, etc.;
 - c) It shall support the combined analysis based on the correlation information
- a) It shall support inquiry and retrieval of such video image information object feature attributes as video case event object feature attributes and

relevant video clips, images, people, vehicles, articles, scenes, video image tags, and so on;

- b) It shall support the display, downloading, printing, and playback and downloading of related video clips in the video case event;
- c) It shall support full-text inquiry of video case event object feature attributes.

5.2.9 Statistical analysis

The statistical analysis function shall meet the following requirements.

- a) It shall be able to make statistical analysis for different characteristics of video case event types, processing phases, regions belonged, time range, and so on, and generate statistical statement;
- b) It shall be able to make statistical analysis based on the feature attributes of the video image information object, and generate a statistical statement.

5.3.1.1 User registration and identity authentication

The user identity of the access application platform shall be registered, and legality verification shall be performed.

5.3.1.2 Authentication mode

It shall comply with the provisions of GA/T 669.2-2008.

5.3.1.3 User access control

It shall support one or more of the following access control methods.

- a) Limit the IP address provided by the login client;
- b) Limit client multi-site login (that is, the same account is logged in multiple clients).

5.3.1.4 Role management

Supports the role rights management model, namely. permission types, resources, roles, and meets the following requirements.

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