

ICS 13.310  
CCS A 91



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

**GB/T 46356-2025**

---

**Technical requirements for video and image sharing and  
exchanging platform for public security**

公共安全视频图像共享交换平台技术要求

**Issued on: October 5, 2025**

**Implemented on: May 1, 2026**

---

**Issued by: State Administration for Market Regulation;  
Standardization Administration of the PRC**

## Table of Contents

|     |                                                                                |
|-----|--------------------------------------------------------------------------------|
| 1   | Scope                                                                          |
| 1.1 | IETF RFC 9113 HTTP/2 IETF RFC 9114 HTTP/3                                      |
| 2   | Normative references                                                           |
| 3   | Terms and definitions, abbreviations                                           |
| 3.1 | Terms and Definitions The terms and definitions defined in GB/T 46361-2025 and |
| 3.2 | Abbreviations                                                                  |
| 4   | Figure C.1 Resource Catalog Acquisition Business Process                       |
| 4.1 | Platform Composition and Connection Relationships                              |
| 4.2 | Network Architecture                                                           |
| 5   | Functional Requirements                                                        |
| 5.1 | DMS Functional Requirements 5                                                  |
| 5.2 | AAS Functional Requirements 6                                                  |
| 5.3 | VAS Functional Requirements 7                                                  |
| 6   | Interface Protocol Technical Requirements 9                                    |
| 6.1 | Interface Protocol Description 9                                               |
| 6.2 | Interface Functions 11                                                         |
| 6.3 | Interface Definition 17                                                        |
| 6.4 | Interface Information Object                                                   |
| 7   | Video Access Service Interface Comparison Table                                |
| 13  | Table                                                                          |
| 14  | Table 4.DMS Cascading Interface Comparison Table                               |
| 15  | Table 6.AAS Cascading Interface Comparison Table                               |
| 16  | Table                                                                          |
| 17  | Table 9 DMS Registration Interface                                             |
| 18  | Table 10 DMS Cancellation Interface                                            |
| 19  | Table 14 DMS Subscription Creation and Query Interfaces                        |
| 20  | Table 18 AAS Registration Interface                                            |

### 1 Scope

GB/T 46356-2025 is the Chinese national standard covering the platform that shares surveillance across agencies and administrative levels - the catalogue of what exists and

who may see it, the live and recorded retrieval, the metadata exchange, the cascading and the load it imposes, and the authorisation and audit over every request. At 68,000 words. First edition, under the Ministry of Public Security. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document specifies the overall architecture, system functional requirements, and inter-system interface protocols of the public security video image sharing and exchange platform. Technical requirements. This document applies to the overall planning, scheme design, system development, and testing and acceptance of the public security video image sharing and exchange platform.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 7408.1 Representation for the Interchange of Date and Time Information - Part

### 3.1 Terms and Definitions The terms and definitions defined in GB/T 46361-2025 and

GB/T 28181-2022, as well as the following terms and definitions, apply to this document.

3.1.1 A platform for publishing video surveillance resource catalogs and exchanging video streams in public areas across various departments and industries. [Source: GB/T 46361-2025, 3.1]

## 4 Figure C.1 Resource Catalog Acquisition Business Process

36 Figure D.1 Schematic diagram of platform administrator authorization process

38 Figure D.2 Schematic diagram of the authorization process for resource department administrators

39 Figure D.3 Schematic diagram of the coordination application authorization process

40 Figure F.1 Flowchart of video access via client-side method

45 Figure F.2 Platform Integration Method Video Access Flowchart

46 Figure G.1 Video Clip Generation Process

48 Figure G.2 Video clip query and playback process

49 Figure G.3 Video Clip Deletion Process

50 Figure L.1 Flowchart of AAS/VAS registration, deregistration, and keep-alive with DMS within the platform

61 Figure L.2 Flowchart of VAS registration, deregistration, and keep-alive with AAS within the platform

62 Figure L.3 Flowchart of DMS registration, deregistration, and keep-alive with VAS within the platform

62 Figure L.4 Flowchart of DMS registration, deregistration, and keep-alive between platforms

63 Figure L.5 Flowchart of VAS registration, deregistration, and keep-alive between platforms

64 Figure L.6 Flowchart of AAS registration, deregistration, and keep-alive between platforms

#### **6.4 Interface Information Object**

29 Appendix A (Normative) Correspondence between User Types, Role Types, and Role Permissions

32 Appendix B (Normative) Video Surveillance Resource Catalog Information Table 33 B.1 Explanation of Options in Table 33 B.2 Resource Catalog Information Table

33 Appendix C (Normative) Video Surveillance Resource Catalog Acquisition Business Process

36 Appendix D (Informative) Application and Authorization Process 38 D.1 Platform Administrator Authorization Process 38 D.2 Resource Ownership Department Administrator Authorization Process 38 D.3 Coordinating the Application and Authorization Process

39 Appendix E (Normative) AAS Related Forms 41 E.1 User Initialization Permission Table 41 E.2 Video Surveillance Resource Table 41 E.3 Application Form 42 E.4 Application Authorization Process Record Form 42 E.5 List of Shared Service Statistics Items

43 Appendix F (Normative) Video Access Procedure 45 F.1 Client Method 45 F.2 Platform Integration Method

46 Appendix G (Normative) Video Segment Management Process 48 G.1 Video Clip Generation and Permission Settings 48 G.2 Video Clip Search and Playback 48 G.3 Video clip deletion

49 Appendix H (Normative) VAS Data Item 51 H.1 Data Item Table Options Description 51 H.2 Platform Information Data Item 51 H.3 Resource Quality Data Item 52 H.4 Usage Data Item

53 Appendix I (Normative) Rules for Identifying Information Object Lists

55 Appendix J (Normative) Query Command Specification 56 J.1 Query condition 56 J.2 Query Command Example 57 J.3 Recommended value for hierarchical queries.

58 Appendix K (Normative) System Naming and Coding Rules 59 K.1 System Unified Identifier Coding Rules 59 K.2 Video Sharing and Exchange Platform System Operation Type Unified Identification Coding Rule

59 Appendix L (Informative) Interface Message Interaction Flow 61 L.1 The platform's DMS provides registration, deregistration, and keep-alive services. L.2 The platform's AAS provides registration, deregistration, and keep-alive services. 61 L.3 The platform's VAS provides registration, deregistration, and keep-alive services. 62 L.4 Inter-platform DMS provides registration, deregistration, and keep-alive services. 63 L.5 Inter-platform VAS provides registration, deregistration, and keep-alive services. 63 L.6 Inter-platform AAS provides registration, deregistration, and keep-alive services. 64 L.7 Query camera device information, subscribe to and receive notifications, and change/revoke DMS camera permission services 65 L.8 AAS Shared Service Statistics Information Query Service 67 L.9 VAS user camera usage information, camera online rate statistics, and live streaming success rate statistics query service 68 L.10 VAS Platform Information Query Service

69 Appendix M (Informative) Interface Message Example 71 M.1 DMS Interface Message Example 71 M.2 AAS Interface Message Example 75 M.3 VAS Interface Message Example

86 Appendix N (Normative) Information Object Class Definition Specification 102 N.1 Public Interface 102 N.2 DMS 102 N.3 AAS 105 N.4 VAS 109 Appendix O (Normative) Information Code Table 118 O.1 Shared type code 118 O.2 Platform type code 118 O.3 User type code 118 O.4 AAS User Role Type Code 119 O.5 Permission Request Status Type Code 119 O.6 Application for Authorization Stage Type Code 119 O.7 Camera resource operation permission type code 120 O.8 DMS/VAS subscription type code 120 O.9 Statistical Period Time Unit Type Code 120 O.10 Camera device addition, deletion, and modification status code 121 O.11 Department/Industry Code 121 References 123 Figure

## 19 Table 14 DMS Subscription Creation and Query Interfaces

19 Table 15 DMS Single Subscription Modification (Cancellation), Query, and Deletion Interfaces

## 20 Table 18 AAS Registration Interface

21 Table 19 AAS Deregistration Interface

21 Table 20 AAS Keep-alive Interface

21 User Resource Permission Query Interface

22 User Resource Permission Change Push Notification Interface Table