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

GA/T 669.8-2009

**Technical standard of city area monitoring and alarming
network system--Part 8: Technical specification of transport
network**

城市监控报警联网系统 技术标准 第8部分：传输网络技术要求

(English Translation)

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Table of Contents

Preface	
1 Scope	
2 Normative reference document	
3 Terms, definitions and abbreviations	
4 Transmission network construction principles	
4.1 Normative and compatibility	
4.2 Security and original integrity	
4.3 Reliability and Availability	
4.4 Practicality and economy	
4.5 Manageability and maintainability	
4.6 Scalability and upgrade ability	
5 Transmission network overall structure	
5.1 Structure	
5.2 Composition	
5.3 Type	
6 Transmission network technical requirements	
6.1 General requirements	
6.2 Access to the network	
6.3 Interconnection of monitoring centers at all levels	
7 Internet systems and other systems interconnected	
7.1 Social Resources Access	
7.2 Connection with public security network	
7.3 Interconnection with other application systems	
8 Transmission network management and maintenance	
9 Transmission network detection and acceptance	
9.1 General requirements	
9.2 Test requirements	
9.3 Acceptance requirements	
Reference	

Foreword

Please note that the basic contents of this section may involve patents, and the issuer of this section should not be responsible for identifying these patents.

GA/T 669 "city monitoring alarm network system technical standards" is divided into 11 parts.

- Part 1. General technical requirements;
- Part 2. Safety technical requirements;
- Part 3. Front - end information collection - Technical requirements;
- Part 4. Requirements for audio and video coding and decoding;
- Part 5. Information transmission, exchange, control of technical requirements;
- Part 6. Technical requirements for audio and video display, storage and playback;
- Part 7. Management platform technical requirements;
- Part 8. Transmission network technical requirements;
- Part 9. Bayesian information identification, comparison, monitoring system technical requirements;
- Part 10. Technical requirements for wireless video and audio surveillance systems;
- Part 11. General technical requirements for critical equipment.

This section is part 8 of GA/T 669.

This part is made by the Ministry of Public Security Science and Technology Information Bureau.

This part of the National Security Alarm System Standardization Technical Committee (SAC/TC100) centralized.

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Technical Standard for Urban Monitoring and Alarming Network System Part 8. Technical requirements for transmission networks

1 Scope

This part of GA/T 669 specifies the configuration principle of the transmission network of the city monitoring and alarming network system (hereinafter referred to as the networking system) System architecture, the overall technical requirements of the network, transmission technology and equipment at all levels of functional requirements.

This part of GA/T 669 applies to the overall structure of the urban monitoring and alarming network transmission network (hereinafter referred to as transmission network).

Into the technical, requirements, acceptance testing, management and maintenance and related systems and equipment development, production and quality control.

2 Normative reference documents

The terms of this document are the terms of this section by reference to this part of GA/T 669. Any reference to the date of the text , All subsequent amendments (excluding corrigenda) or revisions do not apply to this part, however, encouragement under this section the parties to the agreement study whether the latest version of these documents can be used. For undated references, the latest edition of this document applies section.

Solid - core polyethylene insulated RF cables GB/T 14864-1993 GB/T 15629.11-2003
Information technology - Telecommunications and information exchange between systems
Local and metropolitan area networks Part 11. Wireless LAN Media Access Control and
Physical Layer Specification GA/T 669.1-2008 Technical standard for urban monitoring and
alarming network system - Part 1. General technical requirements Technical specification
for network monitoring system for urban monitoring and alarming - Part 2. Safety technical
requirements GA 793.1-2008 Qualification assessment of urban monitoring and alarming
network system - Part 1. System functional performance test specification GA 793.3-2008
Conformity assessment of urban monitoring and alarming network system - Part 3. System
acceptance criteria YDN056-1997 access network technology requirements high bit rate
digital subscriber line (HDSL) YD/T 926.2-2001 Building communication cabling system -
Part 2. Technical requirements for cables and cables for integrated wiring IP network
technical requirements - Network performance parameters and indicators YD/T 1323-2004
Access network technical requirements Asymmetric digital subscriber line (ADSL) IP
network technical requirements - Network performance measurement method Technical
Requirements for Internet Service Quality of Service (YD/T 1641-2007) Testing of Internet
Service Quality of Service IEEE802.11a 5GHz frequency band high-speed physical layer

IEEE802.11b 2.4GHz frequency band high-speed physical layer extension IEEE802.11g
2.4GHz band higher speed physical layer extension IEEE802.11i MAC layer security
enhancements IEEE802.11ndraft2.0 MIMO-based high throughput improvement
IEEE802.1ag-2007 CFM (ConnectivityFaultManagement) connection fault management
standard IEEE802.3ah-2004 Ethernet Access Standard & EPON-MAC Standard ITU-TG.
651 multimode fiber standard ITU-TG. 652 single-mode fiber standard

3 Terms, definitions and abbreviations

GA/T 669.1-2008 established and the following terms, definitions and abbreviations apply to this part of GA/T 669.