

# DH-VPS

## Dahua Video Protection System



### System Overview

Based on research into video user habits and analysis into video traffic, the VPS (Video Protection System) series products have been designed to effectively prevent video information leakage, manage the use of surveillance resources, improve network transmission security, and guarantee video data security for users.

### Functions

#### Provide Security Containment

Completely isolates video data.  
No need to change user habits.

#### Access Control

Binds authenticated users with two factor authentication.  
Blocks illegal terminal traffic.

#### Video Watermark

Plain text and ciphertext watermarks for both online and exported videos.

#### Approval Management

Approves exporting permissions.  
Summarizes the data used by users.

#### Behavior Audit

Records video usage behaviors of users.  
Records abnormal operation behaviors of users.

### Scene

Prevent leakage when viewing or exporting video

- Video network security protection: VPS can control clients for Intranet access and identify Intranet users in multiple authentication modes.
- Multiple deployment schemes: VPS supports mixed, bypass, and DR (Direct Routing) deployment modes.
- Multiple disaster recovery technologies: VPS can automatically detect the links. When the video protection gateway fails, VPS can automatically enable escape mode, and bypass the video protection gateway.
- Encrypted video watermark: The software client of VPS uses an intelligent watermarking system, which supports plain text and ciphertext watermark modes to meet the different requirements of users.
- Ultra-high processing performance: VPS has high-speed data processing capabilities and accommodates large-scale user and application connections to ensure the efficiency of key business access.
- Unified process management: VPS makes use of an approval function for the video sending process, allowing for effective management of the copying and exporting of video data.

### Technical Specification

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Height	1U
Number of Persons Managed	10
Management Port	1 × Console port + 2 × USB ports
Network Port	6 × Gigabit Ethernet copper ports
Expansion Slot	2
High Reliability	Hot standby and redundant design of key components such as power supply and fan
Supported Protocols	All supported ,not limited by video protocols
Deployment Mode	Bypass and inline
Device Management	Local configuration through Console port Local or remote configuration through Telnet or SSH Web management SNMP v1/v2/v3, RMON, and NTP time sync

**Ordering Information**

Type	Model	Description
DH-VPS Series	DH-VPS100	Dahua Video Protection System

**Application**

VPS contains two parts: Hardware gateway VPG and software client VPC. VPG is deployed between the video storage and core switch in bypass mode to provide functions such as video traffic audit and illegal traffic blocking. VPC is deployed to the user terminal in software mode to provide functions such as downloaded file encryption, video watermarking and exporting approval.

