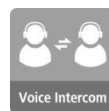
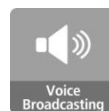


Huawei Intelligent Video Surveillance Platform

SoftVCN IVS V100R002 C20



The Huawei SoftVCN is an all-in-one video surveillance software system that is built on Huawei's purpose-built storage products. The SoftVCN features high-definition, high-performance, high reliability, high openness, easy-to-maintain, and easy-to-manage. It also features multi-level/multi-domain, high-definition, openness and easy integration. It integrates multiple video surveillance services such as user authentication, real-time monitoring, video services, alarm services, voice intercom, electronic maps, and intelligent analysis. It builds secure and practical video surveillance solutions for government and enterprise customers.

Product Highlights

Reliably and securely

- Supports two-node clusters in Video Management Unit (VMU) mode.
- Supports video buffering technology that ensures data integrity.
- Recovers services such as layout, live video, recording, and camera sequencing when the client network outage or PU offline issue is resolved.
- The embedded Linux operating system is employed to ensure 7 * 24 stable running, protecting the system from virus, malware and hijacking attacks.

Intelligence and convenience

- Supports access and linkage of intelligent analysis including tripwire detection, intrusion detection, abandoned object detection, removed object detection, and loitering detection.
- Embedded video quality diagnosis, implementing 9 kinds of video diagnosis functions with no need to configure a stand-alone server.

Openness and compatibility

- Complies with protocols and standards, including ONVIF, GB/T28181, SIP, and RTP/RTSP.
- Ensures the compatibility of PUs from mainstream vendors.
- Offers complete SDK/OCX interfaces for system interconnection with third-party platforms.

Features

The SoftVCN offers customers with a comprehensive video surveillance portfolio, including real-time monitoring, recording, alarm, intelligent analysis (video quality diagnostic, behavioral analysis), voice intercom, voice broadcasting, advanced electronic maps and operational management, increasing the efficiency of video surveillance.

•**Live Video Surveillance:** Provides HD video surveillance experience, including PTZ control, video sequencing, and video wall.

•**Video Recording:** Supports multiple recording modes like manual, alarm-triggered, and scheduled recording. Users can search for recorded videos in multiple modes and download them to a local computer.

•**Alarm Services:** When a Peripheral Unit (PU) generates an alarm, the SoftVCN platform automatically displays live videos from the linked cameras based on a preset alarm linkage rule, notifies users of the alarm in multiple ways, and displays alarm handling suggestions.

•**Video Quality Diagnosis:** The SoftVCN platform automatically detects video quality and generates an alarm when an exception (such as color cast and image noise) occurs on the video image.

•**Behavior Analysis:** The SoftVCN can automatically detect and analyze a wide range of object behaviors to meet requirements in various scenarios.

•**Voice Intercom and Voice Broadcast:** If a PU and client are configured with speakers and microphones, a user can enable the voice intercom or broadcast function.

•**Electronic Map:** Users can query surveillance sites and alarm sources on electronic maps. When an alarm occurs, a user can quickly locate the alarm source, view surrounding situations, find an appropriate surveillance site, and browse live videos.

•**Media Security:** The SoftVCN provides a digital watermark and secure media transmission to ensure the reliability and security of video files.

•**System Management:** The SoftVCN platform supports user management, device management, multi-level management, multi-domain management, log management, and system maintenance.

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Specifications

Items	Professional edition	Enterprise edition
Device Access Performance (single domain)	Up to 16 servers	Up to 128 servers
Camera Access	MPU: Up to 64 cameras	VMU: Up to 100,000 cameras
MPU Access	N/A	A single VMU supports access of up to 128 MPUs
Lower-level Domain Access	N/A	A VMU supports access of up to 1,024 lower-level VMUs/MPUs
		A maximum of eight levels of VMUs can be interconnected
Third-party Platform Connection	N/A	A single VMU supports a maximum of 128 third-party platforms
		A maximum of eight levels of third-party platforms can be interconnected
High-definition decoding	1.Decodes 1080p video at 60 frames per second. 2.Supports H.264/H.265 BP/MP/HP video decoding. 3.Supports MJPEG.	
Layout management	Allows users to play live video in window (maximum: 8 x 8) or full-screen mode and to adjust window layout.	
View management	Allows users to create, save, enable, or disable a view for the client. Users can restore a saved view after a re-login. A single user can add a maximum of 64 views to the favorites folder.	
Camera marks and favorites	Allows users to mark and add frequently-used cameras to the favorites list. The favorites list supports a maximum of eight levels of directories. Each level supports a maximum of 32 favorites folders. Each favorites folder supports a maximum of 256 cameras.	
Zoom in	1.Allows users to zoom in to view image details. The maximum zoom-in percentage is 800%. 2.Allows users to scroll the mouse wheel to adjust the magnification ratio.	
Other Features	Additionally, the system can: 1.Allow users to enable or disable the channel-associated voice function. 2.Play a specified video stream if a camera supports multiple streams. 3.Decode and play video streams in unicast or multicast mode. 4.Allow clients to have Network Address Translation (NAT) traversal on public network while the platform to have NAT traversal on private networks or allow clients to have NAT traversal on the private networks while the platform to have NAT traversal on public networks. 5.Allow users to use a network keyboard to enable and disable the live video viewing and operate the PTZ camera.	

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