Panasonic

Panasonic VMS Standard

The Panasonic VMS standard is a newly launched security management platform designed to seamlessly integrate with Panasonic products. It offers comprehensive video surveillance features, including real-time preview, record storage, playback, downloading, alarm linkage, TV wall decoding, and keyboard control. Additionally, the software supports hot redundancy for both storage and server transfers. It can accommodate up to 1536 network cameras or 375 NVR's on the network, making it a versatile and adaptable solution ideal for small to medium-sized projects and suitable for various sectors, such as education, transportation hubs, chain stores,buildings, and banks.

Features

Device Access

- Supports Panasonic private protocol, ONVIF protocol, standard RTSP, SDK
- Supports adding devices by manually entering IP address,serial number, URL or IP range, by auto search, or by auto report
- Setting the IP address of the devices before adding to the network

Resource Management

- Supports group management of cameras and NVR's.
- Supports centralized management of cameras and NVR's.
- Supports hot spare function of storage and transfer servers

Device Configuration

- Supports the basic configuration and user management of the devices
- Supports the date, time and time zone, network, email and DDNS configuration of the devices.
- Supports getting the information of the device's HDDs.
- Supports multi-OSD setup of one channel.
- Supports the camera's ROI, video mask and motion detection settings.
- Supports intelligent analytics.
- Supports the camera's resolution, frame rate, VBR/CBR, image quality and bit rate settings.
- Supports the camera's brightness, contrast, saturation, hue, AZ settings, etc.
- The parameters of multiple devices can be set at one time.
- Supports configuring record plan for storage devices.

Live View

- Supports multi-screen display mode:
  Supports 1/2/3/4/6/8/9/10/13/16/117/21/25/33/36/49 standard screen display mode
- Supports 2/4/6/7/9/12/16/24/36/48 wide screen display mode;
- Supports customized screen display mode
- Supports corridor mode
- Supports channel group auto-switch
- Supports stream self-adaption and one-key stream switch
- Supports aspect ratio switch
- Supports steam copy
- Supports dual-monitor display
- Supports instant playback
- Supports decoding with hardware
- Supports device's smart area and result display
- Supports smart view mode

Two-way Talk and Broadcast

- Supports remote audio streaming from cameras.
- Supports two-way audio.
- Supports 8K or 16K audio sampling rate.
- Supports multiply audio formats: G.711 a-law, G.711 u-law.
- Supports voice broadcast for multiple cameras.

PTZ Control

- PTZ remote control, including preset, track and cruise calling and settings.
- Supports zoom in/out and focus+/-
- Supports PTZ protocol configuration.
- Supports 3D positioning control (the target can be quickly positioned and captured by box selection.
- Support scheduled tasks and one-button cruise configurations.

Record Playback and Backup

- Supports multi-channel simultaneous and asynchronous playback.
- Supports multiple record source playback.
- Supports multi-window playback.
- Supports playback by channel, time slice, time, tag and event search.
- Supports one-key stream switch, aspect ratio switch.
- Supports playback by frame, dragging the progress bar, fast forward or slow speed.
- Supports record backup: manual backup, scheduled backup, backup by channel, time, tag and event search; supports cutting records and backup in the playback interface.
- Supports pre-alarm, post-alarm and offline record settings.

Decoding On TV Wall

- Supports working with decoders or decoding matrix to control multiple video walls.
- Supports12MP/ 8MP/5MP/4MP/3MP/1080P/720P.
- Supports decoding on TV wall in the audio format of G.711A, G.711U.
- Support live view and playback on TV wall.
- Supports 1/4/9/16/25/36 screen mode.
- Supports multiple splicing modes: 1x1, 1x2, 2x1, 2x2, 3x1, 3x2, 3x3, 4x1, 4x2, 4x3, 4x4, 4x5, 4x6, 4x7, 4x8
- Supports picture-in-picture mode and roaming mode.
- Supports channel group and plan sequence view
- Supports triggering decoding on TV wall; customized alarm window (unlimited)
- Supports notification.

Alarm

- Supports multiple alarm types: Motion alarm, sensor alarm, smart event linkage alarm, line crossing counting linkage alarm, etc.
- Supports multiple alarm linkages:
  Platform recording, client message pop-up, client preview, audio, decoding on TV Wall, device recording, device snapshot, local recording, local snapshot and so on.
- Supports arming or disarming.
- Supports SOP (alarm handling process) configuration.
- Supports alarm information export by time period.
- Supports manual alarm output.

User Management

- Supports user MAC address binding.
- Supports user lock.
- Supports different users and permission.
- Supports group management.
- Supports permission based on resources and operation Permission can be assigned to each channel (or camera) of the device.

Others

- Supports overload protection.
- Supports operation and maintenance management:
- Operating, system and alarm logs can be searched and exported by time, type and user
- Supports common function edition.
- Supports password protection and password retrieve by dynamic code.

Specifications

Standalone mode:

Description	Recommended Configuration （1）	Recommended Configuration （2）
Max. Number of Channel Access / Network cameras	768	1536
Max. Number of Device Access / NVR's	225	375
Max. Channel Number of Simultaneous Preview	64	64
Max. Channel Number of Simultaneous Playback	1024	1024
Max. Number of Decoding Output	128	128
Max. Number of Transfer Server Access	1	1
Max. Number of Storage Server Access	1	1
Max. Number of Views	64 (for one client/user)	64 (for one client/user)
Max. Channel Number of Simultaneous Preview	256 (for one client/user)	256 (for one client/user)
Max. Channel Number of Simultaneous Playback	16	16
Incoming Bandwidth	768Mbps	768Mbps
Outgoing Bandwidth	768Mbps	768Mbps

Note：The specifications of the recommended configuration (2) is the maximum specifications for laboratory testing

Components

Panasonic VMS Standard Server	Panasonic VMS Standard Client Mobile APP

Recommended Configuration

Configuration	Recommended Configuration （1）	Recommended Configuration （2）
Server	Intel Xeon E-2314 4-core 2.8GHz or above; 8GB DDR4 ECC or above; 256GB SSD or above; Windows Server 2022 Standard or above	Intel Xeon E-2378 8-core 2.6GHz or above; 16GB DDR4 EC or above 256GB SSD or above Windows Server 2022 Standard or above
Monitor Client	CPU: I5-10500@3.10GHz or above; Memory：16G or above; Graphics card：NVIDIA GeForce GTX 1060 6GB or above Win 10 64 bit or Win 11 64bit	