

# VIGI Cloud VMS

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Applicable to: Version 1.6.x

## Overview

VIGI Cloud VMS is a video management system hosted on public cloud servers. It allows centralized and remote management of security devices across multiple sites. The essential version offers not only basic features like live view, playback, event management and device management, but also advanced features like map monitoring, designer tool and multi-user permission control. It is ideal for multi-site monitoring scenarios, such as chain stores.

# Key Features

| Category        | Module          | Key Features                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Portal      | Dashboard       | <ul style="list-style-type: none"> <li>View system status and recent alert</li> <li>View alarm data collection and trend</li> <li>Quickly jump to recent viewed camera.</li> </ul>                                                                                                                                                                                                                   |
|                 | Video           | <ul style="list-style-type: none"> <li>View live video and playback</li> <li>Quickly locate device according to site tree</li> <li>View camera list by real-time thumbnail</li> <li>Plugin-Free solution for web video play</li> <li>Install web plugin to unlock rich play control</li> </ul>                                                                                                       |
|                 | Events          | <ul style="list-style-type: none"> <li>View event history for investigation</li> <li>Filter by site, device, event type and time</li> <li>Directly play event video</li> </ul>                                                                                                                                                                                                                       |
|                 | Device          | <ul style="list-style-type: none"> <li>Add device for centralized management</li> <li>Auto discover device in local network and add in batch</li> <li>Manually enter or import Device ID/SN to add device</li> <li>Upgrade device firmware in batch</li> <li>Clearly manage device by site</li> <li>Remotely config device parameter and set detection</li> <li>View device health status</li> </ul> |
|                 | Map             | <ul style="list-style-type: none"> <li>Upload a map and mark the added device clearly</li> <li>Visualize the camera direction and coverage area</li> <li>Click to play live video on map</li> <li>Add virtual device on map to design project</li> <li>Export device list and map drawing</li> </ul>                                                                                                 |
|                 | Rules           | <ul style="list-style-type: none"> <li>Add rules and set trigger actions for batch configuration</li> </ul>                                                                                                                                                                                                                                                                                          |
|                 | Admin           | <ul style="list-style-type: none"> <li>Add site and subsite to divide device for clear management</li> <li>Add multiple user to manage together</li> <li>Assign user to different site and set flexible permissions</li> <li>Detailed log to control every operation</li> </ul>                                                                                                                      |
| PC Client       | Live View       | <ul style="list-style-type: none"> <li>View live video for up to 64 channels at a time</li> <li>Add device to favorite to quickly locate</li> <li>Add View to quickly call up selected devices on screen</li> </ul>                                                                                                                                                                                  |
|                 | Playback        | <ul style="list-style-type: none"> <li>Up to 9 channels playback video for investigation</li> <li>Easily cut video clip and download to local</li> <li>Filter video history by event type and period</li> </ul>                                                                                                                                                                                      |
|                 | AI Monitoring   | <ul style="list-style-type: none"> <li>AI-Powered to snapshot human on screen</li> <li>Highlight the moving object on the live video</li> <li>Prompt windows to notify about video motion</li> </ul>                                                                                                                                                                                                 |
|                 | Event Center    | <ul style="list-style-type: none"> <li>Receive real-time alert and display on screen</li> <li>Quickly switch to live view to check live scene</li> </ul>                                                                                                                                                                                                                                             |
|                 | Download Center | <ul style="list-style-type: none"> <li>Control the download task of video clips</li> </ul>                                                                                                                                                                                                                                                                                                           |
| VIGI APP (V2.5) | Site List       | <ul style="list-style-type: none"> <li>Centralized view site list and device health status</li> </ul>                                                                                                                                                                                                                                                                                                |
|                 | Live View       | <ul style="list-style-type: none"> <li>View live video for up to 16 channels at a time</li> </ul>                                                                                                                                                                                                                                                                                                    |
|                 | Playback        | <ul style="list-style-type: none"> <li>View playback video for investigation</li> <li>Easily cut video clip and download to local</li> <li>Filter video history by event type and period</li> </ul>                                                                                                                                                                                                  |
|                 | Event           | <ul style="list-style-type: none"> <li>View event history for investigation</li> <li>Filter by site, device, event type and time</li> </ul>                                                                                                                                                                                                                                                          |
|                 | Device Settings | <ul style="list-style-type: none"> <li>Remotely config device parameter and set detection</li> </ul>                                                                                                                                                                                                                                                                                                 |

# Specifications

| Features                                  |                  | Performance                                                                                                                                                                                                                 |
|-------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model: VIGI Cloud VMS (Essential version) |                  |                                                                                                                                                                                                                             |
| Supported Languages                       |                  | English, Japanese, Turkish, Spanish, Portuguese, Brazilian Portuguese, Traditional Chinese, French, Italian, German, Spanish(Mexico), Russian, Korean, Thai, Polish, Czech, Slovak, Hungarian, Serbian, Romanian, Bulgarian |
| General                                   | Max. Org         | Unlimited                                                                                                                                                                                                                   |
|                                           | Org User         | Unlimited                                                                                                                                                                                                                   |
|                                           | Site             | Unlimited                                                                                                                                                                                                                   |
|                                           | Site Level       | 3 levels (Organization-site-subsite)                                                                                                                                                                                        |
| Devices                                   | Max. Channel     | Unlimited for VIGI device, 64 channels for third-party camera added through VIGI NVR.                                                                                                                                       |
|                                           | Site Channel     | 256 channels per site                                                                                                                                                                                                       |
| Video                                     | Live View        | 16-ch synchronous live view on web portal and VIGI App, 64-ch on PC client                                                                                                                                                  |
|                                           | Playback         | 1-ch playback on Web Portal and VIGI APP, 9-ch playback on Web Plugin and PC Client                                                                                                                                         |
|                                           | Favorite Device  | 256                                                                                                                                                                                                                         |
| Log                                       | Log Retention    | 90 days (up to 1,000,000)                                                                                                                                                                                                   |
| Events & Rules                            | Events Retention | 180 days (up to 1,000,000)                                                                                                                                                                                                  |
|                                           | Device Rules     | 1,000,000                                                                                                                                                                                                                   |
|                                           | Rules History    | 90 days (up to 1,000,000)                                                                                                                                                                                                   |
| Map                                       | Map file size    | 10MB                                                                                                                                                                                                                        |
|                                           | Map number       | Unlimited                                                                                                                                                                                                                   |
|                                           | Map Marker       | 300 for each map                                                                                                                                                                                                            |

# System Requirements

| Features         | Requirements                                                                                                                                                                                                                                        |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System | Microsoft Windows Server 2008 (32-bit, 64-bit)<br>Microsoft Windows 7 (32-bit, 64-bit)<br>Microsoft Windows 10 (32-bit, 64-bit)<br>Microsoft Windows 11 (32-bit, 64-bit)<br>Mac OS Big Sur 11.0 and above (do not support PC Client and Web Plugin) |
| CPU              | Intel Core i5 Processor and above                                                                                                                                                                                                                   |
| Memory           | 4GB and above                                                                                                                                                                                                                                       |
| Browser Version  | Google Chrome 107 and above<br>Firefox 106 and above (Web plugin is required for video)<br>Microsoft Edge 106 and above (Web plugin is required for video)                                                                                          |
| Resolution       | 1920*1080 and above                                                                                                                                                                                                                                 |

## Live View Performance (Web Plugin)

| H.264      |          |                 |                                                          |        |            |                                                          |        |            |
|------------|----------|-----------------|----------------------------------------------------------|--------|------------|----------------------------------------------------------|--------|------------|
| Resolution | Bit Rate | Frame Rate(fps) | CPU: i3-10100<br>Graphics Card: 630<br>Windows 10 64-bit |        |            | PU: i5-12400<br>Graphics Card: 730<br>Windows 10 64-bit  |        |            |
|            |          |                 | Channels                                                 | CPU(%) | Memory(MB) | Channels                                                 | CPU(%) | Memory(MB) |
| LQ (480P)  | 512      | 25              | 16                                                       | 44-53  | 1207       | 16                                                       | 35-52  | 2768       |
| HQ (4MP)   | 3584     | 25              | 8                                                        | 79-95  | 1521       | 9                                                        | 28-43  | 4028       |
| H.265      |          |                 |                                                          |        |            |                                                          |        |            |
| Resolution | Bit Rate | Frame Rate(fps) | CPU: i3-10100<br>Graphics Card: 630<br>Windows 10 64-bit |        |            | CPU: i5-12400<br>Graphics Card: 730<br>Windows 10 64-bit |        |            |
|            |          |                 | Channels                                                 | CPU(%) | Memory(MB) | Channels                                                 | CPU(%) | Memory(MB) |
| LQ (480P)  | 512      | 25              | 16                                                       | 34-52  | 1188       | 16                                                       | 39-44  | 4658       |
| HQ (4MP)   | 3584     | 25              | 8                                                        | 60-87  | 1424       | 10                                                       | 39-52  | 4004       |

# Live View Performance (PC Client)

## H.264 (Hardware Decoding)

| Resolution | Bit Rate | Frame Rate(fps) | CPU: i3-10100<br>Graphics Card: 630<br>Windows 10 64-bit |        |            | PU: i5-12400<br>Graphics Card: 730<br>Windows 10 64-bit |        |            |
|------------|----------|-----------------|----------------------------------------------------------|--------|------------|---------------------------------------------------------|--------|------------|
|            |          |                 | Channels                                                 | CPU(%) | Memory(MB) | Channels                                                | CPU(%) | Memory(MB) |
| LQ (480P)  | 512      | 25              | 26                                                       | 50-70  | 1900+      | 43                                                      | 80-90  | 6900+      |
| HQ (4MP)   | 3584     | 25              | 8                                                        | 80-90  | 2700+      | 10                                                      | 20-30  | 3200+      |

## H.265 (Hardware Decoding)

| Resolution | Bit Rate | Frame Rate(fps) | CPU: i3-10100<br>Graphics Card: 630<br>Windows 10 64-bit |        |            | CPU: i5-12400<br>Graphics Card: 730<br>Windows 10 64-bit |        |            |
|------------|----------|-----------------|----------------------------------------------------------|--------|------------|----------------------------------------------------------|--------|------------|
|            |          |                 | Channels                                                 | CPU(%) | Memory(MB) | Channels                                                 | CPU(%) | Memory(MB) |
| LQ (480P)  | 512      | 25              | 44                                                       | 60-90  | 1700+      | 48                                                       | 60-90  | 6900+      |
| HQ (4MP)   | 3584     | 25              | 8                                                        | 70-90  | 1600+      | 10                                                       | 30-40  | 3400+      |