



Video Solutions for Security Professionals

XVMS System Requirements & Performance

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Chapter 1 System Requirements

| | |
|------------------------------|---|
| OS for Server* | <p>Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit Microsoft® Windows 8.1 64-bit Microsoft® Windows 7 SP1 64-bit Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2016 64-bit Microsoft® Windows Server 2012 R2 64-bit Microsoft® Windows Server 2012 64-bit Microsoft® Windows Server 2008 R2 SP1 64-bit</p> <p><i>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.</i></p> |
| OS for Control Client | <p>Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit Microsoft® Windows 8.1 64-bit Microsoft® Windows 7 SP1 64-bit Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2016 64-bit Microsoft® Windows Server 2012 R2 64-bit Microsoft® Windows Server 2012 64-bit Microsoft® Windows Server 2008 R2 SP1 64-bit</p> <p><i>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.</i></p> |
| OS for Mobile Client | <p>iOS 10.0 and above Android 6.0 and above</p> |
| Database | PostgreSQL V11.8 |
| Browser | <p>Google Chrome® 84 and above Firefox® 84 and above Safari® 11 and above Microsoft® Edge 89 and above Internet Explorer® 11 and above</p> |
| Virtual Machine | <p>VMware® ESXi™ 6.x Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)</p> <p>Note: The Streaming Server and Control Client cannot run on the virtual machine. The Virtual machine in cluster mode is not supported. The migration of virtual machine will cause the failure of License verification.</p> |
| Failover Cluster | <p>Microsoft® Windows Server 2012 64-bit Microsoft® Windows Server 2008 R2 SP1 64-bit RoseReplicatorPlus_5.1.0_175-x64</p> |

*Server refers to SYS (System Management Server).

Chapter 2 Server Performance

2.1 System Management Server (SYS)

| SYS Configurations | | | |
|--------------------------------|--|---|--|
| Feature | Low-End | High-End | |
| CPU | Intel® Core™ i5-8500 @ 3.00 GHz | Intel® Xeon® E-2124 @ 3.30 GHz | Intel® Xeon® Silver 4110 @ 2.10 GHz |
| RAM | 8 GB | 16 GB | 16 GB |
| NIC | GbE Network Interface Card | GbE Network Interface Card | GbE Network Interface Card |
| HDD for OS | SATA-II 7200 RPM Enterprise Class HDD | SATA-II 7200 RPM Enterprise Class HDD | SATA-II 7200 RPM Enterprise Class HDD |
| HDD for Picture Storage | Surveillance-class HDD or high performance network HDD. It should support 10 MB/s writing and 10 MB/s reading. | Enterprise-class HDD or high performance network HDD. It should support 20 MB/s writing and 20 MB/s reading. | Enterprise-class HDD or high performance network HDD. It should support 20 MB/s writing and 20 MB/s reading. |
| HDD Capacity | At least 650 GB | At least 650 GB | At least 650 GB |
| OS | Microsoft® Windows 8.1 64-bit | Microsoft® Windows Server 2012 (R2) 64-bit | Microsoft® Windows Server 2012 (R2) 64-bit |
| Virtual Machine | Amazon AWS EC2 Instance: c5.xlarge CPU: Intel® Xeon® Cascade Lake @3.60 GHz vCPU Count: 4 RAM: 8 GB Storage: EBS NIC: 10 Gbps | Amazon AWS EC2 Instance: m5.xlarge CPU: Intel® Xeon® Platinum 8175M @3.10 GHz vCPU Count: 4 RAM: 16 GB Storage: EBS NIC: 10 Gbps | Amazon AWS EC2 Instance: c5.2xlarge CPU: Intel® Xeon® Platinum 800 @3.40 GHz vCPU Count: 8 RAM: 16 GB Storage: HDD NIC: 10 Gbps |
| | Microsoft Azure Instance: B4MS CPU: Intel Xeon® E5-2673 v4 @ 2.30 GHz vCPU Count: 4 RAM: 16 GB NIC: 10 Gbps | | |

| Maximum Performance | | | |
|----------------------|--------------------------------|----------------------------------|---|
| Feature | | Low-End | High-End |
| Manageable Resources | Encoding Devices | 256 (Total in Sharing Mode: 256) | E-2124: 1,024 (Total in Sharing Mode: 1,024) Silver 4110: 2,048 (Total in Sharing Mode: 2,048) |
| | Access Control Devices | 256 (Total in Sharing Mode: 256) | E-2124: 1,024 (Total in Sharing Mode: 1,024) Silver 4110: 2,048 (Total in Sharing Mode: 2,048) |
| | IP Speakers | - | E-2124: 128 (Total in Sharing Mode: 1,024) Silver 4110: 128 (Total in Sharing Mode: 2,048) |
| | Video Intercom Devices | 32 | 5000 |
| | Indoor Stations | 32 | 5000 |
| | Network Transmission Devices | - | 128 |
| | Cameras (Expanded) | 512 | E-2124: 3,000 Silver 4110: 10,000 |
| | Alarm Inputs | 512 | 5,000 |
| | Alarm Outputs | 512 | 3,000 |
| | LPR Cameras | 512 | 3,000 |
| | People Counting Cameras | 60 (recommended max. value) | 300 (recommended max. value) |
| | Heat Map Cameras | - | 70 (recommended max. value) |
| | Thermal Cameras | 5 (recommended max. value) | 20 (recommended max. value) |
| | Access Points (Doors + Floors) | 128 | 1,024 |
| | Doors | 128 | 1,024 |
| | Floors | 128 | 1,024 |
| Enrollment Station | 8 | | |

| | | | |
|--------------------------|---|--|--|
| | Recording Servers <i>*Including pStor, Hybird SAN, NVR, and cloud storage</i> | 64 | |
| | Streaming Servers | 64 | |
| | Resources in One Analysis Group | 64 | |
| | Partitions (Areas) | 64 | 256 |
| | Remote Sites | - | 1,024 |
| | Resources on Remote Sites | - | 100,000 |
| Area | Areas | 512 | 3,000 |
| | Area Hierarchies | 5 | |
| | Cameras in One Area | 256 | |
| | Alarm Inputs in One Area | 256 | |
| | Alarm Outputs in One Area | 256 | |
| Event & Alarm | Alarm Priorities | 255 | |
| | Alarm Categories | 25 | |
| | Event and Alarm Rules | 1,500 | E-2124: 3,000 Silver 4110: 10,000 |
| | User-Defined Event Rules | 1,0000 | |
| | Arming Schedule Templates | 200 | |
| | Events or Alarms Storage | <ul style="list-style-type: none"> ● 30 events or alarms without picture per second. ● 5 events or alarms with pictures (500 KB each, stored in SYS server) per second. ● 20 events or alarms with pictures (500 KB each, stored in Recording Server) per second. | <ul style="list-style-type: none"> ● 100 (E-2124) or 1,000 (Silver 4110) events or alarms without picture per second (for up to 3 minutes). ● 20 events or alarms with pictures (500 KB each, stored in SYS server) per second. ● 80 events or alarms with pictures (500 KB each, stored in Recording Server) per second. |

| | | | | | |
|------------------|--|---------------------------------------|--|---|--|
| | Events or Alarms Sent to Clients | | <ul style="list-style-type: none"> ● 38 events or alarms/s ● 30 Clients/s (Mobile Clients and Control Clients) | <ul style="list-style-type: none"> ● 120 events or alarms/s ● 100 Clients/s (Mobile Clients and Control Clients) | |
| | Event Triggered Capturing | | 20 cameras can be triggered to capture pictures concurrently per second. | | |
| | Alarm Triggered Recording | | 30 cameras can be triggered to record video concurrently per second. | 128 cameras can be triggered to record video concurrently per second. *If the recorded videos are stored in CVR, only 30 cameras can be triggered to record video concurrently per second. | |
| | Alarm Triggered Actions (Excluding Recording) | | 152 actions (excluding recording) can be triggered concurrently by alarms per second. | 512 actions (excluding recording) can be triggered concurrently by alarms per second. | |
| | Combined Alarms | | 10 alarms per second | | |
| Recording | Recording Schedules | | 512 | E-2124: 3,000 Silver 4110: 30,000 | |
| | Recording Schedule Templates | | 200 | | |
| Map | Map | Maps Linked to One Area | 64 | | |
| | | Resolution | 8192×8192 | | |
| | | Size for One Map | 10 MB | | |
| | | Total Size for Maps | 2 GB | 15 GB | |
| | | Maps | 128 | 1,024 | |
| | | Cameras on One Map | 16 | 128 | |
| | | Alarm Inputs on One Map | 16 | 128 | |
| | | Alarm Outputs on One Map | 16 | 128 | |
| | | Labels on One Map | 16 | 128 | |
| | | Access Points on One Map | 16 | 128 | |
| | | Hot Regions on One Map | 8 | 64 | |
| | | Cameras on Maps in Total | 512 | E-2124: 3,000 Silver 4110: 10,000 | |
| | | Alarm Inputs on Maps in Total | 32 | 3,000 | |
| | | Alarm Outputs on Maps in Total | 32 | 3,000 | |

| | | | | | |
|---|---------------------------------------|---|---|--------------------------------------|--|
| | | Labels on Maps in Total | 128 | 3,000 | |
| | | Access Points on Maps in Total | 32 | E-2124: 128 Silver 4110: 512 | |
| | | Hot Regions on Maps in Total | 128 | 1,024 | |
| | GIS Map | Elements in Total | 3,000 | | |
| | | Hot Regions in Total | 128 | 1,024 | |
| | | Cameras in Total | 512 | E-2124: 3,000 Silver 4110: 10,000 | |
| | | Alarm Inputs in Total | 512 | 3,000 | |
| | | Alarm Outputs in Total | 512 | 3,000 | |
| | | Access Points in Total | 32 | E-2124: 128 Silver 4110: 1024 | |
| | Labels in Total | 512 | 3,000 | | |
| User & Role | Roles | 400 | 3,000 | | |
| | Users | 100 | 3,000 | | |
| | Roles Assigned to One User | <ul style="list-style-type: none"> ● 100 roles can be assigned to one user (Resources linked to one role < 170); ● 50 roles can be assigned to one user (Resources linked to one role < 514). | <ul style="list-style-type: none"> ● 100 roles can be assigned to one user (Resources linked to one role < 1,000); ● 50 roles can be assigned to one user (Resources linked to one role < 3,000). | | |
| | Concurrent Accesses via Client | <ul style="list-style-type: none"> ● 30 Control Clients and Web Clients access the system concurrently. ● 30 Mobile Clients access the system concurrently. | <ul style="list-style-type: none"> ● 100 Control Clients and Web Clients access the system concurrently. ● 100 Mobile Clients access the system concurrently | | |
| | Double Authentications | 32 users | 50 users | | |
| Data Storage (BI Data and Data Recorded in System) | Data Retention Period | 5,000,000 per Month and Stored for 3 Years | | | |
| | People Counting | 5 million | | | |
| | Heat Map | 0.25 million | | | |
| | LPR | 60 million | | | |
| | Events | 60 million | | | |
| | Alarms | 60 million | | | |
| | Access Records | 1.4 billion | | | |

| | | | |
|----------------------------|---|---|---|
| | Attendance Records | 55 million | |
| | Operation Logs | 5 million | |
| | Service Information Logs | 5 million | |
| | Service Error Logs | 5 million | |
| | Recording Tags | 60 million | |
| Person | Persons | 2,000 | 1,000,000 |
| | Person Groups | 3,000 | |
| | Person Group Hierarchies | 10 | |
| | Profile Pictures | 2,000 | 1,000,000 |
| | Cards | 10,000 | 250,000 |
| | Fingerprints | 8,000 | 100,000 |
| | Credentials (Cards + Fingerprints) | 10,000 | 250,000 |
| | Size of One Profile Picture | Recommended: 300 KB | |
| | Total Size of Profile Pictures | 500 MB | 300 GB |
| | Persons to Be Reviewed | 10,000 | |
| Access Control | Persons for Access Control | 2,000 | 50,000 |
| | Anti-Passback Rules | 32 | 128 |
| | Access Points in One Anti-Passback Rule | 16 | |
| | Access Levels | 32 | 512 |
| | Access Points in One Access Level | 32 | 1024 |
| | Access Schedules | 32 | |
| | Card Templates | 32 | |
| | Device Polling Rate | 3 minutes | |
| | Speed of Applying Persons' Access Level Settings to Device | <ul style="list-style-type: none"> ● Card: 4.2 cards per second ● Fingerprint: 1.7 fingerprints per second ● Face credential: 1.7 face pictures per second | |
| | Speed of Reporting Access Records | 10 records per second | E-2124: 100 records per second Silver 4110: 1,000 records per second |
| Time and Attendance | Persons for Time and Attendance | 5,000 | 10,000 |
| | Shifts | 32 | 128 |
| | Break Timetables | 128 | |

| | | | |
|-----------------------------|---|---|---|
| | Break Timetables in One Timetable | 4 | |
| | Custom Reports | 128 | |
| | Major Leave Type | 64 | |
| | Minor Leave Type in One Major Type | 128 | |
| | Holidays | 32 | |
| Intelligent Analysis | Persons for Intelligent Analysis | 2,000 | 1,000,000 |
| | Intelligent Analysis Groups | 32 | 1,000 |
| | Face Comparison Groups | 16 | 64 |
| | Storage of Face Matched/Mismatched Events | <ul style="list-style-type: none"> ● 120/s without pictures ● 20/s with pictures (each picture 500 KB, stored in Recording Server) | <ul style="list-style-type: none"> ● 400/s without pictures ● 100/s with pictures (each picture 500 KB, stored in Recording Server) |
| Vehicle Management | Vehicle Lists | 13 | 100 |
| | Vehicles | 60,000 | 500,000 |
| | Storage of License Plate Matched/Mismatched Events | <ul style="list-style-type: none"> ● 5/s with pictures (each picture 500 KB, stored in SYS server) ● 20/s with pictures (each picture 500 KB, stored in Recording Server) | <ul style="list-style-type: none"> ● 400/s without pictures ● 20/s with pictures (each picture 500 KB, stored in SYS server) ● 100/s with pictures (each picture 500 KB, stored in Recording Server) |
| | Total Lanes | - | 40 |
| | Vehicle Lists | - | 100 |
| | Vehicles in One List | - | 5,000 |
| | Vehicles in Blocklist | - | 5,000 |
| | Passing Frequency of Lanes | - | 1 vehicle per second for single lane |
| Report | Regular Report Rules | 100 | |
| | Event or Alarm Rules in One Event/Alarm Report | 32 | |
| | Records in One Sent Report | 10,000 or 10 MB | |
| | Resources Selected for One Report | <ul style="list-style-type: none"> ● 20 people counting cameras searched for one people counting report ● 20 LPR cameras searched for one vehicle analysis report ● 20 queues searched for one queue analysis report ● 20 presets searched for one temperature report <p>*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.</p> | |

| | | | |
|---------------|--|--|--|
| Others | Streaming Gateway | 50 cameras×2 Mbps input and 50 cameras×2 Mbps output | 200 cameras×2 Mbps input and 200 cameras×2 Mbps output |
| | Time Consumed to Export Devices and Sites | 10 seconds | E-2124: 10 seconds Silver 4110: 19 seconds |

2.3 Streaming Server

| Configurations | | |
|----------------------------|--|--|
| Feature | Low-End | High-End |
| CPU | Intel® Core™ i5-4590 @ 3.30 GHz | Intel® Xeon® E-2124 @ 3.30 GHz |
| RAM | 8 GB | 16 GB |
| NIC | GbE Network Interface Card | GbE Network Interface Card |
| HDD Type | SATA-II 7200 RPM Enterprise Class Hard Drives | SATA-II 7200 RPM Enterprise Class Hard Drives |
| HDD Capacity | 10 GB for Streaming Server Log Files | 10 GB for Streaming Server Log Files |
| Maximum Performance | | |
| Input and Output | 200 streams × 2 Mbps input and 200 streams × 2 Mbps output | 300 streams × 2 Mbps input and 300 streams × 2 Mbps output |

Chapter 3 Client Performance

3.1 Decoding Performance

Notes:

- The performance refers to maximum live view channels within up to 80% of CPU consumption (software decoding) or up to 80% of video engine load/decoding value (hardware decoding).
- You can switch to hardware decoding on the System page. If the OS of your PC is Windows 7, make sure DirectX (D3DX9_43.dll and D3DCompiler_43.dll) have been installed, or the hardware decoding will fail, and it will switch to software decoding. To realize hardware decoding and reach the following maximum decoding performance, click [here](#) to download and install DirectX.

| Configurations | | | | | | |
|----------------------------------|--------------------------------|-----------------|---------------------------------|----------------------------|----------------------------------|-----------------|
| Feature | Configuration 1 | | Configuration 2 | | Configuration 3 | |
| CPU | Intel® Core™ i5-9400/F | | Intel® Core™ i3-8100 @ 3.60 GHz | | Intel® Core™ i7-8700k @ 3.70 GHz | |
| RAM | 8 GB | | 8 GB | | 16 GB | |
| NIC | GbE Network Interface Card | | GbE Network Interface Card | | GbE Network Interface Card | |
| Graphics Card | NVIDIA® GeForce GTX 1050Ti | | Intel® UHD Graphics 630+GT1030 | | NVIDIA® GeForce RTX 2080 | |
| OS | Microsoft® Windows 10 (64-bit) | | Microsoft® Windows 10 (64-bit) | | Microsoft® Windows 10 (64-bit) | |
| Performance in Software Decoding | | | | | | |
| Encoding Format | Frame Rate (fps) | Bit Rate (Mbps) | Resolution | Maximum Live View Channels | | |
| | | | | Configuration 1 | Configuration 2 | Configuration 3 |
| H.264 | 30 | 0.5 | CIF | 163 | 97 | 193 |
| | 30 | 1 | 4CIF | 81 | 38 | 80 |
| | 30 | 3 | 720p | 33 | 14 | 43 |
| | 30 | 6 | 1080p | 16 | 7 | 22 |

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| | 30 | 8 | 3 MP | 12 | 4 | 17 |
|---|------------------|-----------------|------------|----------------------------|-----------------|-----------------|
| | 30 | 12 | 8 MP | 4 | 1 | 7 |
| | 25 | 16 | 32 MP | / | / | 2 |
| H.264+ | 30 | 1 | 720p | 40 | 21 | 38 |
| | 30 | 3 | 1080p | 16 | 8 | 25 |
| | 30 | 4 | 3 MP | 13 | 6 | 14 |
| H.265 | 30 | 1 | 720p | 29 | 14 | 47 |
| | 30 | 3 | 1080p | 12 | 5 | 20 |
| | 30 | 4 | 3 MP | 8 | 3 | 13 |
| | 30 | 6 | 8 MP | 2 | 1 | 4 |
| | 25 | 16 | 32 MP | / | / | 1 |
| H.265+ | 30 | 0.5 | 720p | 40 | 16 | 56 |
| | 30 | 1 | 1080p | 16 | 6 | 28 |
| | 30 | 2 | 3 MP | 9 | 4 | 17 |
| | 30 | 3 | 8 MP | 3 | 1 | 5 |
| Performance in Hardware Decoding | | | | | | |
| Encoding Format | Frame Rate (fps) | Bit Rate (Mbps) | Resolution | Maximum Live View Channels | | |
| | | | | Configuration 1 | Configuration 2 | Configuration 3 |
| H.264 | 30 | 0.5 | CIF | 102 | 57 | 94 |
| | 30 | 1 | 4CIF | 73 | 30 | 76 |
| | 30 | 3 | 720p | 36 | 16 | 41 |

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|---------------|----|-----|-------|----|----|----|
| | 30 | 6 | 1080p | 17 | 8 | 20 |
| | 30 | 8 | 3 MP | 12 | 5 | 14 |
| | 30 | 12 | 8 MP | 5 | 2 | 6 |
| | 25 | 16 | 32 MP | / | / | 2 |
| H.264+ | 30 | 1 | 720p | 38 | 14 | 41 |
| | 30 | 3 | 1080p | 18 | 7 | 20 |
| | 30 | 4 | 3 MP | 12 | 5 | 14 |
| H.265 | 30 | 1 | 720p | 33 | 16 | 45 |
| | 30 | 3 | 1080p | 17 | 8 | 29 |
| | 30 | 4 | 3 MP | 12 | 6 | 21 |
| | 30 | 6 | 8 MP | 4 | 2 | 8 |
| | 25 | 16 | 32 MP | / | / | 3 |
| H.265+ | 30 | 0.5 | 720p | 32 | 17 | 50 |
| | 30 | 1 | 1080p | 17 | 9 | 28 |
| | 30 | 2 | 3 MP | 11 | 6 | 22 |
| | 30 | 3 | 8 MP | 4 | 2 | 8 |

3.2 Control Client Performance

Note: The performance refers to the maximum performance of the Control Client, running on the PC of the following configurations.

| Control Client Configuration | | |
|-------------------------------|---|---|
| CPU | Intel® Core™ i7-9700k @ 3.60 GHz | |
| RAM | 16 GB | |
| NIC | GbE Network Interface Card | |
| OS | Microsoft® Windows 10 64-bit | |
| Graphics Card | NVIDIA® GeForce GTX 970 | |
| Maximum Performance | | |
| Control Panel | Control Panels Can Be Configured | 5 |
| | Windows on One Control Panel | 12 |
| | Displayed Alarms | 20 |
| | Displayed Face Recognition Records | 200 |
| | Displayed Access Records | 20 |
| | Displayed Vehicle Passing Records | 20 |
| Resource | Resources in One Area | 256 |
| View | Public Views | 100 |
| | Private Views | 100 views can be added for one user |
| | Public View Groups | 100 |
| | Private View Groups | 100 views per user |
| | Cameras in One View | 64 |
| | View Hierarchies | 5 |
| Favorites | Favorites | 100 per user (no more than 100 users) |
| | Resources in One Favorites | 64 |
| | Favorites Hierarchies | 5 |
| Live View and Playback | Channels in Live View | 256 |
| | Windows of Zooming Area in Fisheye Dewarping Live View | 8 |
| | Windows of Zooming Area in Live View | 5 |
| | Channels in Playback | 16 |
| | Channels in Synchronous Playback | 16 |
| | Channels in Visual Tracking | 9 |
| | Channels in Reverse Playback | 16 |
| | Auto-Switch Windows on One Auxiliary Screen | 64 (four auxiliary screens are supported) |
| Event and Alarm | Max Alarm and Event Receiving | 100 alarms per second |
| | Alarms Displayed in Alarm Center | 2,000 |
| | Unacknowledged Alarms Displayed | 5,00 |
| | Alarms to Be Batch Acknowledged | 100 |

| | | |
|--|---|----------------------------------|
| | Alarms in One Export | XLS/CSV: Unlimited PDF: 5,000 |
| Monitoring | Events Displayed in Event List | 500 |
| | Displayed Face Comparison Records/Access Records/Vehicle Passing Records | 200 |
| | Face Comparison Groups Subscribed | 10 |
| | Comparison Records of One Person | 20 |
| | Displayed Person-Related Events | 20 |
| | Displayed Vehicle-Related Events | 20 |
| | Events in User-Defined Event List | 500 |
| | Displayed Video Search Results | 5,000 |
| | Displayed VCA Search Results | 5,000 |
| | Face Capture Records | 200 |
| | Vehicle Capture Records | 200 |
| | Vehicle Matched Events | 20 |
| Face and Human Body Recognition | Face Picture Matched Events | 20 |
| | Search Results of Matched Face Pictures | Total: 10,000 (20 per page) |
| | Search Results of Frequently and Rarely Appeared Persons | 100 per page |
| Video Intercom | Channels for Video Intercom | 1 |
| Two-Way Audio | Channels for Two-Way Audio | 1 |
| Intelligent Analysis | Records in One Export | 320,000 |
| Vehicle | Vehicle Passing Records in One Export | PDF: 500 |
| Health Monitoring | Server Logs in One Export | 5,000 |
| | Device Logs in One Export | 2,000 |
| | Online/Offline Logs and Recording Logs in One Export | 10,000 |
| Download Center | Tasks Downloading Completed | 5,000 |
| | Tasks Waiting for Downloading | 500 |
| | Tasks Waiting for Uploading | 500 |
| | Tasks in Downloading Simultaneously | 5 |
| | Tasks in Uploading Simultaneously | 5 |
| Smart Wall (Graphic Card) | Times for One Alarm to Be Displayed on Smart Wall | 1 |
| | Windows on One Smart Wall | 64 |
| Login and Logout | Login Time Consumed | 15 seconds |
| | Logout Time Consumed | 10 Seconds |
| | User Switch Time Consumed | 22 Seconds |
| Others | Image Cache | 2 GB |

