HikCentral Professional V2.2

System Requirements & Performance

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Chapter 1 System Requirements

OS for Server*	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 **For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.*
OS for Control Client	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 **For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.*
OS for Mobile Client	iOS 10.0 and above Android 6.0 and above
Database	PostgreSQL V11.8
Browser	Google Chrome® 84 and above Firefox® 84 and above Safari® 11 and above Microsoft® Edge 89 and above Internet Explorer® 11 and above
Virtual Machine	VMware® ESXi™ 6.x Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit) ***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.
Failover Cluster	Microsoft® Windows Server 2012 64-bit Microsoft® Windows Server 2008 R2 SP1 64-bit RoseReplicatorPlus_5.1.0_175-x64

*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)
	Elevator Control Devices	128 (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)
	Security 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)
	Guidance Terminals	-	E-2124: 1,024 (Total in Sharing Mode: 1,024) Silver 4110: 2,048 (Total in Sharing Mode: 2,048)
	Guidance Screens	-	512

	Video Intercom Devices	32	5000
	Indoor Stations	32	5000
	Visitor Terminals	8	32
	DS-5600 Series Face Recognition Terminals **Applied with Hikvision Turnstiles*	32 *If DS-5600 series devices are applied with third-party turnstiles, they are regarded as access control devices.	
	Radars and Radar PTZ Cameras	30	
	Digital Signage Terminals	-	1,024
	Network Transmission Devices	-	128
	Under Vehicle Surveillance Systems (UVSS)	2	4
	Mobile Devices	300	E-2124：500 Silver 4110：1000
	Entrance/Exit Stations	40	40
	Query Terminals	16	16
	Cameras (Expanded)	512	E-2124: 3,000 Silver 4110: 10,000
	Alarm Inputs **Including Alarm Inputs of Security Control Devices*	512	5,000
	Alarm Inputs of Security Control Devices	512	2,048
	Alarm Outputs	512	3,000
	ANPR Cameras	512	3,000
	People Counting Cameras	60 (recommended max. value)	300 (recommended max. value)
	Facial Recognition Servers	16	64
	Heat Map Cameras	-	70 (recommended max. value)
	Thermal Cameras	5 (recommended max. value)	20 (recommended max. value)
	Queue Management Cameras	60 (recommended max. value)	300 (recommended max. value)

	Access Points (Doors + Floors)	128	1,024
	Doors	128	1,024
	Floors	128	1,024
	Enrollment Station	8	
	Recording Servers **Including pStor, Hybird SAN, NVR, and cloud storage*	64	
	Streaming Servers	64	
	DeepinMind Servers	64	
	Security Audit Servers	8	
	Dock Stations	-	1,500
	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	● 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.	● 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	● 38 events or alarms/s ● 30 Clients/s (Mobile Clients and Control Clients)	● 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	
	Optimus Alarms	30 alarms per second (for up to 1 minute)	E-2124: 100 alarms per second (for up to 1 minute) Silver 4110: 500 alarms per second (for up to 1 minute)
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
		UVSS on One Map	4	4
		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
		UVSS on Maps in Total	4	4
		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
		UVSS in Total	4	4
		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		● 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).	● 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		● 30 Control Clients and Web Clients access the system concurrently; ● 30 Mobile Clients access the system concurrently.	● 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	
	ANPR		60 million	
	Events		60 million	
	Alarms		60 million	
	Access Records		1.4 billion	
	Attendance Records		55 million	
	Visitor Records		10 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	● 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
Visitor	**Visitors**	5,000	20,000
	Visitors to Be Approved	5,000	10,000
	Visitor Registration/Reservation Records	100,000	
	Visitor Reservation Records to Be Approved	5,000	10,000
	Visitor Email Templates	20	
	Visit Purposes	20	
	Persons in Blocklist	5,000	10,000
	Entities in Watch List	5,000	10,000

	Hosts to Be Applied	10,000	50,000
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	● 120/s without pictures ● 20/s with pictures (each picture 500 KB, stored in Recording Server)	● 400/s without pictures ● 100/s with pictures (each picture 500 KB, stored in Recording Server)
Vehicle and Parking Management	**Vehicle Lists**	13	100
	Vehicles	60,000	500,000
	Undercarriage Pictures (Each 10 MB)	512	3,000
	Storage of License Plate Matched/Mismatched Events	● 5/s with pictures (each picture 500 KB, stored in SYS server) ● 20/s with pictures (each picture 500 KB, stored in Recording Server)	● 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)
	Parking Lots	-	10
	Total Lanes	-	40
	Lanes in One Parking Lot	-	32
	Vehicle Lists	-	100
	Vehicles in One List	-	5,000
	Vehicles in Blocklist	-	5,000

	Total Floors of Parking Lot	-	128
	Parking Spaces on One Floor	-	1,024
	Customized Vehicle Types	-	10
	Vehicles	-	500,000
	Vehicles' Cards	-	250,000
	Temporary Cards of One Parking Lot	-	10,000
	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	● 20 people counting cameras searched for one people counting report ● 20 ANPR cameras searched for one vehicle analysis report ● 20 queues searched for one queue analysis report ● 20 presets searched for one temperature report *With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.	
Smart Wall	**Decoding Devices**	32	
	Smart Walls	32	
	Views	1,000	
	Cameras in One View	256	
	View Groups	100	
	Views in One View Group	10	
	Concurrent Accesses via Control Client	5	
	Operation Logs Storage	500,000	
	Alarms Displayed on Smart Wall as Actions	5 alarms per second (each alarm has 16 related cameras).	
	LED Smart Walls Linked to a Decoder	69 decoder: 1 C10ST: 1	
	LCD Smart Walls Linked to a Decoder	69 decoder: 3 C10ST: 3	

	Maximum Output Ports Linked to a LCD Smart Wall		6 × 10	
	Maximum Output Ports Linked to a LED Smart Wall		16 × 20	
Digital Signage	**Contents Release**	**Materials**	-	10,000
		Material Size	-	4 GB
		Programs	-	2,000
		Schedules	-	1,000
		Release Records	-	1,000
	Concurrent Operation	**Materials Uploading**	-	1,024
		Schedules Applying	-	100
		Programs Applying	-	100
		Combined Operations (material uploading, schedule applying, and program applying)	-	100
	Program	**Linked Windows of One Page**	-	16
		Media Files in Each Window	-	256
Broadcast	**Broadcast Groups**		-	128
	Broadcast Terminals in One Broadcast Group		-	128
	Media Libraries		-	100
	Audio Files in One Media Library		-	100
	Broadcast Schedules		-	100
Security Inspection	**Security Analyzers**		-	E-2124: 8 Silver 4110: 8
	Walk-Through Metal Detectors		-	E-2124: 64 Silver 4110: 64
	Security Inspection Channels		-	E-2124: 500 Silver 4110: 1,000
Mobile Monitoring	**Fence Rules for One Vehicle**		4	

	Vehicles Can Be Located in One Client	50	64
	Retention Period of GPS Data	6 Months	
	Retention Period of Statistics Data	3 Years	
	Driving Event Storage	Store 5,000,000 Events per Month Retention Period: 3 Years	
	Speed of Handling Driving Events	300 events per second (last 1 minute)	E-2124: 500 events per second (last 1 minute) Silver 4110: 1000 events per second (last 1 minute)
Evidence Management	**Evidences**	100,000	
	Evidence Files	5,000,000	
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
	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	**Frame**	**Bit Rate**	**Resolution**	**Maximum Live View Channels**		

Format	Rate (fps)	(Mbps)		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
	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 Face Comparison Records	20
	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 Favorites can be added for one user (the number of users cannot be larger than 100)
	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. Frequency of Alarm and Event Receiving (Face, Access Control, and Entrance & Exit)**	100 alarms per second (last for 12 seconds), including 20 alarms with pictures (500 KB

		each) and 80 without pictures.
	Average Frequency of Alarm and Receiving (Face, Access Control, and Entrance & Exit)	20 alarms with pictures (500 KB each) and 20 without pictures
	Alarms Displayed in Alarm Center	2,000
	Unacknowledged Alarms Displayed	5,00
	Alarms to Be Batch Acknowledged for Once	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
Evidence Management	**Files Linked to One Evidence**	100
Video Intercom	**Channels for Video Intercom**	1
Two-Way Audio	**Channels for Two-Way Audio**	1
Broadcast	**Devices in One Broadcast**	512
	IP Speakers in One Broadcast	128
Intelligent Analysis	**Records in One Export**	320,000
Vehicle and Parking	**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	**Tasks Downloading Completed**	5,000

Center	**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
Smart Wall (Decoding Device)	**Views**	1,000
	View Groups	100
	Auto-Switch Cameras in One Window	20
	Auto-Switch Windows on One Smart Wall	16
	Auto-Switch Cameras in Multiple Windows	256
Vehicle Monitoring	**Driving Events in One Export**	100
Login and Logout	**Login Time Consumed**	15 seconds
	Logout Time Consumed	10 Seconds
	User Switch Time Consumed	22 Seconds
Others	**Image Cache**	2 GB


See Far, Go Further