# HIKVISION

HikCentral Professional V2.2 System Requirements & Performance

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# **Chapter 1 System Requirements**

	Microsoft® Windows 11 64-bit
	Microsoft <sup>®</sup> Windows 10 64-bit
	Microsoft® Windows 8.1 64-bit
	Microsoft® Windows 7 SP1 64-bit
	Microsoft® Windows Server 2019 64-bit
OS for Server*	Microsoft <sup>®</sup> 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.
	Microsoft® Windows 11 64-bit
	Microsoft <sup>®</sup> Windows 10 64-bit
	Microsoft® Windows 8.1 64-bit
	Microsoft <sup>®</sup> Windows 7 SP1 64-bit
	Microsoft <sup>®</sup> Windows Server 2019 64-bit
	Microsoft <sup>®</sup> Windows Server 2016 64-bit
OS for Control Client	Microsoft <sup>®</sup> Windows Server 2012 R2 64-bit
	Microsoft® Windows Server 2012 64-bit
	Microsoft® Windows Server 2008 R2 SP1 64-bit
	Mac
	*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed
	with the rollup (KB2919355) updated in April, 2014.
	iOS 10.0 and above
OS for Mobile Client	Android 6.0 and above
Database	PostgreSQL V11.8
	Google Chrome® 84 and above
	Firefox® 84 and above
Browser	Safari® 11 and above
	Microsoft <sup>®</sup> Edge 89 and above
	Internet Explorer <sup>®</sup> 11 and above
	VMware® ESXi™ 6.x
Virtual Machine	Microsoft <sup>®</sup> 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.
	Microsoft <sup>®</sup> Windows Server 2012 64-bit
Failover Cluster	Microsoft <sup>®</sup> Windows Server 2008 R2 SP1 64-bit
	RoseReplicatorPlus_5.1.0_175-x64

<sup>\*</sup>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 <sup>®</sup> Windows 8.1 64-bit	Microsoft <sup>®</sup> Windows Server 2012 (R2) 64-bit	Microsoft <sup>®</sup> 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		
	n	Maximum Performance	
	Feature	Low-End	High-End
	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)
Manageable Resources	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)
_ 1	I .	

	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	
	Areas	512	3,000	
	Area Hierarchies	5		
Area	Cameras in One Area	256		
	Alarm Inputs in One Area	256		
	Alarm Outputs in One Area	256		
	Alarm Priorities	255		
	Alarm Categories	25		
Event & Alarm	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> <li>30 events or alarms without picture per second.</li> <li>5 events or alarms with pictures (500 KB each, stored in SYS server) per second.</li> <li>20 events or alarms with pictures (500 KB each, stored in Recording Server) per second.</li> </ul>	<ul> <li>100 (E-2124) or 1,000 (Silver 4110) events or alarms without picture per second (for up to 3 minutes).</li> <li>20 events or alarms with pictures (500 KB each, stored in SYS server) per second.</li> <li>80 events or alarms with pictures (500 KB each, stored in Recording Server) per second.</li> </ul>	
	Events or Alarms Sent to Clients	<ul><li>38 events or alarms/s</li><li>30 Clients/s (Mobile Clients and Control Clients)</li></ul>	<ul> <li>120 events or alarms/s</li> <li>100 Clients/s (Mobile Clients and Control Clients)</li> </ul>	
	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		

		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
	Map	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
Map		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
		Elements in Total	3,000	
		Hot Regions in Total	128	1,024
	CIC Maria	Cameras in Total	512	E-2124: 3,000 Silver 4110: 10,000
	GIS Map	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	
	Roles		400	3,000	
	Users		100	3,000	
User & Role	Roles Assig	gned to One User	<ul> <li>100 roles can be assigned to one user (Resources linked to one role &lt; 170);</li> <li>50 roles can be assigned to one user (Resources linked to one role &lt; 514).</li> </ul>	<ul> <li>100 roles can be assigned to one user (Resources linked to one role &lt; 1,000);</li> <li>50 roles can be assigned to one user (Resources linked to one role &lt; 3,000).</li> </ul>	
	Concurrent	t Accesses via Client	<ul> <li>30 Control Clients and Web Clients access the system concurrently;</li> <li>30 Mobile Clients access the system concurrently.</li> </ul>	<ul> <li>100 Control Clients and Web Clients access the system concurrently;</li> <li>100 Mobile Clients access the system concurrently</li> </ul>	
	Double Au	thentications	32 users	50 users	
	Data Reter	ntion Period	5,000,000 per Month and Stored for 3 Y	5,000,000 per Month and Stored for 3 Years	
	People Cou	unting	5 million		
	Heat Map		0.25 million		
	ANPR		60 million		
Data Storage	Events		60 million		
(BI Data and	Alarms		60 million		
Data	Access Rec	ords	1.4 billion		
Recorded in	Attendance	e Records	55 million		
System)	<b>Visitor Rec</b>	ords	10 million		
	Operation	Logs	5 million	5 million	
	Service Info	ormation Logs	5 million	5 million	
	Service Err	or Logs	5 million	5 million	
	Recording	Tags	60 million		
Dorcon	Persons		2,000	1,000,000	
Person	Person Gro	oups	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	
	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	Access Schedules	32	
Control	Card Templates	32	
Control	Device Polling Rate	3 minutes	
	Speed of Applying Persons' Access Level Settings to	• Card: 4.2 cards per second	
	Device	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
	Visitors	5,000	20,000
	Visitors to Be Approved	5,000	10,000
	Visitor Registration/Reservation Records	100,000	
Visitor	Visitor Reservation Records to Be Approved	5,000	10,000
¥ 151€61	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	
	Persons for Time and Attendance	5,000	10,000	
	Shifts	32	128	
	Break Timetables	128		
Time and	Break Timetables in One Timetable	4		
Attendance	Custom Reports	128		
	Major Leave Type	64		
	Minor Leave Type in One Major Type	128		
	Holidays	32		
	Persons for Intelligent Analysis	2,000	1,000,000	
	Intelligent Analysis Groups	32	1,000	
Intelligent	Face Comparison Groups	16	64	
Analysis	Storage of Face Matched/Mismatched Events	<ul> <li>120/s without pictures</li> <li>20/s with pictures (each picture 500 KB, stored in Recording Server)</li> </ul>	<ul> <li>400/s without pictures</li> <li>100/s with pictures (each picture 500 KB, stored in Recording Server)</li> </ul>	
	Vehicle Lists	13	100	
	Vehicles	60,000	500,000	
	Undercarriage Pictures (Each 10 MB)	512	3,000	
Vehicle and Parking	Storage of License Plate Matched/Mismatched Events	<ul> <li>5/s with pictures (each picture 500 KB, stored in SYS server)</li> <li>20/s with pictures (each picture 500 KB, stored in Recording Server)</li> </ul>	<ul> <li>400/s without pictures</li> <li>20/s with pictures (each picture 500 KB, stored in SYS server)</li> <li>100/s with pictures (each picture 500 KB, stored in Recording Server)</li> </ul>	
Management	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
	Regular Report Rules	100	
	Event or Alarm Rules in One Event/Alarm Report	32	
	Records in One Sent Report	10,000 or 10 MB	
Report	Resources Selected for One Report	<ul> <li>20 people counting cameras searched for one people counting report</li> <li>20 ANPR cameras searched for one vehicle analysis report</li> <li>20 queues searched for one queue analysis report</li> <li>20 presets searched for one temperature report</li> <li>*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.</li> </ul>	
	Decoding Devices	32	
	Smart Walls	32	
	Views	1,000	
	Cameras in One View	256	
	View Groups	100	
	Views in One View Group	10	
Smart Wall	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 I	Ports Linked to a LCD Smart Wall	6 × 10	
	Maximum Output	Ports Linked to a LED Smart Wall	16 × 20	
		Materials	-	10,000
		Material Size	-	4 GB
	<b>Contents Release</b>	Programs	-	2,000
		Schedules	-	1,000
		Release Records	-	1,000
Digital		Materials Uploading	-	1,024
Signage		Schedules Applying	-	100
0.8.1.080	Concurrent	Programs Applying	-	100
	Operation	Combined Operations (material	-	
		uploading, schedule applying,		100
		and program applying)		
	Program	Linked Windows of One Page	-	16
	Media Files in Each Window		-	256
	Broadcast Groups		-	128
	Broadcast Terminals in One Broadcast Group		-	128
Broadcast	Media Libraries		-	100
	Audio Files in One N	Nedia Library	-	100
	Broadcast Schedule	s	-	100
	Security Analyzers			E-2124: 8
	Security Analyzers			Silver 4110: 8
Security	Walk-Through Meta	al Detectors	_	E-2124: 64
Inspection	Walk Through Wet			Silver 4110: 64
	Security Inspection	Channels	_	E-2124: 500
	Security mapeedion			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	Evidences	100,000		
Management	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

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				
	Maximum Performance					
HDD Capacity	10 GB for Streaming Server Log Files	10 GB for Streaming Server Log Files				
HDD Type	SATA-II 7200 RPM Enterprise Class Hard Drives	SATA-II 7200 RPM Enterprise Class Hard Drives				
NIC	GbE Network Interface Card	GbE Network Interface Card				
RAM	8 GB	16 GB				
CPU	Intel <sup>®</sup> Core™ i5-4590 @ 3.30 GHz	Intel® Xeon® E-2124 @ 3.30 GHz				

### **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 <a href="here">here</a> to download and install DirectX.

Configurations						
Feature	Configuration 1		Configuration 2		Configuration 3	
CPU	Intel <sup>®</sup> Core™	i5-9400/F		Intel <sup>®</sup> Core™ i3-8100 @ 3.60 GHz	Intel <sup>®</sup> Core™ i7-8700k @ 3.70 GHz	
RAM	8 GB			8 GB	16 GB	
NIC	GbE Network	Interface Car	d	GbE Network Interface Card	GbE Network Ir	nterface Card
Graphics Card	NVIDIA <sup>®</sup> GeForce GTX 1050Ti		Τi	Intel® UHD Graphics 630+GT1030	NVIDIA <sup>®</sup> GeFord	ce RTX 2080
OS	Microsoft <sup>®</sup> Windows 10 (64-bit)		Microsoft® Windows 10 (64-bit)	Microsoft <sup>®</sup> Win	dows 10 (64-bit)	
				Performance in Software Decoding		
Encoding	Frame	Bit Rate	Resolution	N	laximum Live View Channels	
Format	Rate (fps)	(Mbps)	Resolution	Configuration 1	Configuration 2	Configuration 3
	30	0.5	CIF	163	97	193
H.264	30	1	4CIF	81	38	80

	30	3	720p	33	14	43
	30	6	1080р	16	7	22
	30	8	3 MP	12	4	17
	30	12	8 MP	4	1	7
	25	16	32 MP	/	/	2
	30	1	720p	40	21	38
H.264+	30	3	1080p	16	8	25
	30	4	3 MP	13	6	14
	30	1	720p	29	14	47
	30	3	1080p	12	5	20
H.265	30	4	3 MP	8	3	13
	30	6	8 MP	2	1	4
	25	16	32 MP	/	/	1
	30	0.5	720p	40	16	56
	30	1	1080p	16	6	28
H.265+	30	2	3 MP	9	4	17
	30	3	8 MP	3	1	5
	Performance in Hardware Decoding					
Encoding	Frame	Bit Rate	Resolution	M	aximum Live View Channels	

Format	Rate (fps)	(Mbps)		Configuration 1	Configuration 2	Configuration 3
	30	0.5	CIF	102	57	94
	30	1	4CIF	73	30	76
	30	3	720p	36	16	41
H.264	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
	30	1	720p	38	14	41
H.264+	30	3	1080p	18	7	20
	30	4	3 MP	12	5	14
	30	1	720p	33	16	45
	30	3	1080p	17	8	29
H.265	30	4	3 MP	12	6	21
	30	6	8 MP	4	2	8
	25	16	32 MP	/	/	3
	30	0.5	720p	32	17	50
U 265.	30	1	1080p	17	9	28
H.265+	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.

the PC of the fol	lowing configurations.			
	Control Client Configuration			
CPU	Intel <sup>®</sup> 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 Panels Can Be Configured	5		
	Windows on One Control Panel	12		
	Displayed Alarms	20		
<b>Control Panel</b>	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		
	Public Views	100		
	Private Views	100 views can be added for		
	Filvate views	one user		
View	Public View Groups	100		
	Private View Groups	100 views per user		
	Cameras in One View	64		
	View Hierarchies	5		
	Favorites	100 Favorites can be added for		
		one user (the number of users		
Favorites		cannot be larger than 100)		
	Resources in One Favorites	64		
	Favorites Hierarchies	5		
	Channels in Live View	256		
	Windows of Zooming Area in Fisheye Dewarping Live View	8		
	Windows of Zooming Area in Live View	5		
Live View and	Channels in Playback	16		
Playback	Channels in Synchronous Playback	16		
	Channels in Visual Tracking	9		
	Channels in Reverse Playback	16		
	Auto-Switch Windows on One Auxiliary	64 (four auxiliary screens are		
	Screen	supported)		
Event and	Max. Frequency of Alarm and Event	100 alarms per second (last for		
Alarm	Receiving (Face, Access Control, and	12 seconds), including 20		
	Entrance & Exit)	alarms with pictures (500 KB		

		each) and 80 without pictures.
	Average Frequency of Alarm and	20 alarms with pictures (500
	Receiving (Face, Access Control, and	KB each) and 20 without
	Entrance & Exit)	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
	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
Monitoring	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 Picture Matched Events	20
Face and Human Body	Search Results of Matched Face Pictures	Total: 10,000 (20 per page)
Recognition	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
Proodocat	Devices in One Broadcast	512
Broadcast	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
	Server Logs in One Export	5,000
Health	Device Logs in One Export	2,000
Monitoring	Online/Offline Logs and Recording Logs in One Export	10,000
Download	Tasks Downloading Completed	5,000
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Center	Tasks Waiting for Downloading	500
	Tasks Waiting for Uploading	500
	Tasks in Downloading Simultaneously	5
	Tasks in Uploading Simultaneously	5
Smart Wall	Times for One Alarm to Be Displayed on Smart Wall	1
(Graphic Card)	Windows on One Smart Wall	64
	Views	1,000
	View Groups	100
Smart Wall	Auto-Switch Cameras in One Window	20
(Decoding Device)	Auto-Switch Windows on One Smart Wall	16
	Auto-Switch Cameras in Multiple Windows	256
Vehicle Monitoring	Driving Events in One Export	100
	Login Time Consumed	15 seconds
Login and Logout	Logout Time Consumed	10 Seconds
Logout	User Switch Time Consumed	22 Seconds
Others	Image Cache	2 GB

