## **HikCentral Professional**

HikCentral Professional is a software platform provided by Hikvision for integrating and managing security systems. It is designed to meet a variety of security challenges on a single platform. With HikCentral Professional, you can manage multiple individual systems with ease, such as video security, access control, security alarms, and more, as well as explore cross-system functionalities.

Daily operations become more efficient while protection of people and property improve all around. Users of all kinds are making smarter decisions.

## **Key Feature**

#### **Light and Efficient**

- Lightweight architecture features reduced consumption of system resources
- Capable of managing multiple systems of varying sizes with consistent efficiency

#### **Unified and Flexible**

- Supports combining various application plug-ins under a unified, on-demand architecture for collaboration across business segments
- New plug-ins can be continuously developed to meet new business needs

#### **Integrated and Open**

- Compatible with virtually all Hikvision products and their abundance of applications, including deep-learning-based analytics and statistics
- Open architecture permits easy integration with third-party systems and hardware



HIKVISIO



### • Features of Main Modules

Module	Features	
	<ul> <li>Efficient and comprehensive video security</li> </ul>	
Video	• Quick incident search and location, convenient event search, and quick run-through of video	
	<ul> <li>Video export as evidence</li> </ul>	
	Low bandwidth network adaptability	
	Reliable and flexible storage	
	<ul> <li>Comprehensive and flexible access management methods</li> </ul>	
	<ul> <li>Advanced access strategies for sensitive areas</li> </ul>	
	<ul> <li>Convenient employee badge design and printing</li> </ul>	
	<ul> <li>Clear step-by-step guidance</li> </ul>	
Access Control	Remote personnel registration	
	<ul> <li>Automatically lock or unlock doors</li> </ul>	
	Keep doors in a remain unlocked status during an emergency	
	• Easily count and verify everyone's safety	
	<ul> <li>Opening door via Bluetooth and NFC</li> </ul>	
	Digitalized visitor management	
Mathan .	<ul> <li>Visitor registration in advance</li> </ul>	
Visitor	Pre-defined access permissions and traceable records	
	• A Watchlist function along with personalized design and printing of badges	
	<ul> <li>Flexible and efficient entrance &amp; exit management</li> </ul>	
	<ul> <li>Improved parking experience for drivers</li> </ul>	
Vehicle	• Self-service parking query	
	• Flexible billing	
	• Intuitive and efficient parking operation analysis and transaction analysis reports	
	• Efficient vehicle monitoring for quick response	
<b>On-Board Monitoring</b>	• Reliable archive management	
	• Customized reports for enhanced operational efficiency	
	• Centrally manage various alarm sources	
	• Real-time display of all kinds of alarms	
Alarm Detection	• Flexible linkage	
	• Automatic audio alarms	
	• The video-based intelligent analysis dashboard enables flexible and extensible digital	
Intelligent Analysis	applications	
	Smart commercial analyses	
Digital Signage	• Manage and configure content for digital signage in an intuitive manner	
	<ul> <li>Pre-installed program templates</li> </ul>	
	• All programs are created visually	
	Flexible attendance rule-setting	
Time & Attendance	• Diverse attendance reports and customizable templates	
	• Easy integration with third-party payroll systems	
	• Supports employees searching for attendance results and submitting applications for	
	correction	
	<ul> <li>Visualized network and device topology and alarm notifications</li> </ul>	
Maintenance	<ul> <li>Logs are available for event trackback and evidence</li> </ul>	



# Software Specification

The following table shows the maximum performance of the SYS (System Management Server). For other detailed data and performance, refer to *Software Requirements and Performance*.

Features		Maximum Performance
General		
	Managed Devices *Including Encoding Devices, Access Control Devices, Elevator Control Devices, Security Control Devices, Digital Signage Terminals, Interactive Flat Panels, Remote Sites, Guidance Terminals, and IP Speakers	2,048
	Encoding Devices Supporting ONVIF Protocol Video Intercom Devices Guidance Screens	2,048 5,000 512
	Visitor Terminals Dock Stations Network Transmission Devices	32 1,500 128
	On-Board Devices Fire Protection Devices Entrance/Exit Stations	1,000 2,048 40
	Query Terminals DeepinMind Server Recording Servers Streaming Comment	16 64 64
Manageable Resource	Streaming Servers Cameras Maximum Number of Sichers Compared	64 10,000 With RSM: 100,000
	Maximum Number of Fisheye Cameras Maximum Number of Cameras for People Counting Alarm Inputs (excluding security control panels and	10,000
	Alarm Inputs (excluding security control panels and panic alarm devices) Alarm Inputs of Security Control Devices	5,000
	Security Control Partitions (Areas)	2,048
	Alarm Outputs Security Radars and Radar PTZ Cameras	3,000 30
	DS-5600 Series Face Recognition Terminals When Applied with Hikvision Turnstiles	32
	ANPR Cameras People Counting Cameras	3,000 Recommended: 3,000
	Heat Map Cameras Queue Management Cameras	Recommended: 1,024 Recommended: 3,000
	Thermal Cameras	Recommended: 20 <sup>①</sup>
	Cameras per Area Alarm Inputs per Area Alarm Outputs per Area	256
Event & Alarm	Event and Alarm Rules Storage of Events or Alarms Without Pictures	10,000 1,000/s
	Storage of Events or Alarms with Pictures	20/s (Stored in SYS) 80/s (Stored in Recording Server)
	Events or Alarms Sent to Clients *The clients include Web Client, Control Clients and Mobile Clients.	<ul> <li>Web Client: 20 events or alarms with picture per second; 40 events or alarms without picture per second; 100 access events/s.</li> <li>Control Client: 120 events or</li> </ul>



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		-
		alarm/s.
		• 100 Clients/s
	Combined Alarm	10/s
	User-Defined Events	10,000
	Concurrent Accesses via Web Clients and Control Clients	100
	Concurrent Accesses via Mobile Clients	100
User and Role	Users	3,000
	Roles	3,000
	Users for Double Authentications	50
	Departments	3,000
	Department Hierarchies	10
_	Size of a Profile Picture	300 КВ
Person	Total Size of Profile Pictures	300 GB
	Resigned Persons	100,000
	Resignation Types	100
	Data Retention Period	Stored for 3 Years
	People Counting	5 million each year
	Heat Map	0.25 million each year
	ANPR Records	
	Events	60 million each year
	Alarms	
Data Storage	Access Records	1.4 billion each year
Data Storage	Attendance Records	55 million each year
	Visitor Records	10 million each year
	Operation Logs	
	Service Information Logs	5 million each year
	Service Error Logs	S minor each year
	Recording Tags	60 million each year
	Scheduled Report Rules of Event and Alarm	100
		32
	Event or Alarm Rules in One Event/Alarm Report Rule	
Denert	Records in One Sent Report	10,000 or 10 MB
Report	Resources Selected in One Report	22
	*With this limitation, you can generate a neat and	32
	clear report via the Control Client and it costs less time.	1.000
Video & Intelligent Analys	Maximum Number of Stores	1,000
video & intelligent Analys		30,000
Recording	Recording Schedule	200
	Recording Schedule Template	
	Face Pictures for Comparison	1,000,000
	Face Comparison Groups	64
Face Comparison	Persons in One Face Comparison Group	1,000,000
	Storage of Face Comparison Events Without Pictures	1,000/s
	Storage of Face Comparison Events with Pictures	100/s (Stored in Recording Server)
	Intelligent Analysis Groups	1,000
Intelligent Recognition	Resources in One Group	64
	Persons for Intelligent Recognition	1000,000
BI	Total Stores	1,000
AR Monitoring	Total Analysis Group	1000
	AR Scenes	100
	Plans	512
		Note: Up to 100 scenes are allowed
		for each plan.
	Tags for Each Scene	200
	Tag Groups for Each Scene	100
Evidence Management	Evidences	100,000



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	Existence Files	F 000 000
	Evidence Files	5,000,000
Smart Wall	Decoding Devices	32
	Smart Walls	32
	Network Keyboard	8
	Views	1,000
	View Groups	100
Smart Wan	Views in One View Group	10
	Cameras in One View	256
	Cameras in One Window of Auto-Switch	20
	Windows of an Auto-Switch	16
	View Group of an Auto-Switch	1
Studensing Common	Video Input Bandwidth per Streaming Server	200 × 2 Mbps
Streaming Server	Video Output Bandwidth per Streaming Server	200 × 2 Mbps
Access Control & Time and	Attendance & Visitor	
	Persons with Credentials for Access Control	50,000
	Total Credentials (Card + Fingerprint)	250,000
	Cards	250,000
	Fingerprints	200,000
	Irises	100,000
Access Control	Profiles	50,000
	Access Points (Doors + Floors)	1,024
	Access Levels	512
	Access Schedules	32
	Templates for Card Printing	32
	Persons for Time and Attendance	50,000
	Schedules	128
		32
	Holidays	
	Break Timetable	128
Time and Attendance	Custom Rules for T&A Status on Device	128
	Overtime Types	128
	Leave Types	
	Approval Roles	100
	Approval Flows	1,000
	Concurrent Login of Employees via Client	500
	Visitors	100,000
	Visitor Check-In or Reservation Records	100,000
Visitor Management	Visitor Email Templates	20
	Entities in Watch List	10,000
	Card Template	20
		20
Vehicle and Parking Mana	· · ·	20
Vehicle and Parking Mana Vehicles per List	· · ·	5,000
	· · ·	
Vehicles per List	· · ·	5,000
Vehicles per List Vehicles	· · ·	5,000 500,000
Vehicles per List Vehicles Custom Vehicle Types	gement	5,000 500,000 10
Vehicles per List Vehicles Custom Vehicle Types UVSSs	ures	5,000 500,000 10 4
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict	gement ures thout Pictures	5,000 500,000 10 4 3,000 1,000/s 20/s (Stored in SYS)
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wi Storage of ANPR Alarm wit	gement ures thout Pictures	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wi	gement ures thout Pictures	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)         10
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wi Storage of ANPR Alarm wit	gement ures thout Pictures	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)         10         Total: 40
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wi Storage of ANPR Alarm wit Parking Lots	gement ures thout Pictures	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)         10         Total: 40         In One Parking Lot: 32
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wi Storage of ANPR Alarm wit Parking Lots	gement ures thout Pictures	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)         10         Total: 40
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wit Storage of ANPR Alarm wit Parking Lots Lanes Parking Spaces Floors in All Parking Lots	gement ures thout Pictures h Picture	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)         10         Total: 40         In One Parking Lot: 32         Total: 3,000
Vehicles per List Vehicles Custom Vehicle Types UVSSs Vehicle Undercarriage Pict Storage of ANPR Alarm Wi Storage of ANPR Alarm wit Parking Lots Lanes Parking Spaces	gement ures thout Pictures h Picture	5,000         500,000         10         4         3,000         1,000/s         20/s (Stored in SYS)         100/s (Stored in Recording Server)         10         Total: 40         In One Parking Lot: 32         Total: 3,000         In One Floor: 1,024



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Vehicle Passing Frequency in Each Lane	1 Vehicle/s
On-Board Monitoring	
Fence Rules for One Vehicle	4
Vehicles Can Be Located in One Client	64
Retention Period of GPS Data	1 Year
Retention Period of Statistics Data	3 Years
Maximum Number of Drivers	10,000
Maximum Number of Driving Routes	1,000
Digital Signage	
Materials	10,000
Programs	2,000
Schedules	1,000
Release Records	1,000
Video Walls	512
Applications for Interactive Flat Panel	1,000
Security Inspection	
Analyzers	8
Walk-Through Metal Detectors	64
Security Inspection Channels	1,000
Broadcast	
IP Speakers	2048
Speaker Unit	128
Broadcast Group	128
Media Libraries	100
Patrol	100
Maximum Number of Shifts of a Single Route	8
Dock Management	0
Docks	500
Retention Period of Dock Data	2 Years
Parcel Tracking	
Check Points	1000
Scanning Devices (Accessed via CodePlatform)	50
Scanning Devices (Accessed directly)	45
Scanning Devices (Accessed via NVR)	1000
Retention Period of Parking Tracking Records	3 Months
Canteen Consumption	
Canteen Payment Terminals	100
Number of Merchants	100
Merchant Levels	5
Payment Groups	512
Payment Rules	128
Meal Types	8
Number of Payment Persons	50000
	Card: 50 Milliseconds Per Card
Speed of Applying Person Permissions	Profile Picture: 1 Second Per Profile
	Picture
Payment Record Retention Period	3 Years
Traffic	
Devices for Toll Verification	10
Devices for Traffic Event Detection	50
Retention Period of Toll Verification Records	
	3 Years
Retention Period of Traffic Data	3 Years
Public Order Management	500
Municipal Enforcement PTZ Cameras	500
Water Level Detection PTZ Cameras	500



Retention Period of Urban Management Data	3 Years
Retention Period of Water Level Data	3 Years
Store Audit	
Stores	1,000
Auditors of Each Store	1
Rectification Personnel of Each Store	1
Rating Items	3,000
Max. Deducted Points of Each Rating Item	100
Rating Categories	200
Rating Templates	100
Rating Items Linked to Each Rating Template	100
Audit Schedules	150
Audit Schedules Linked to Each Store	10
Max. Validity Period of Each Audit Schedule	3 Years
Stores Linked to Each Audit Schedule	1,000
Pictures Uploaded During Each Audit	4
Size of Each Picture Uploaded During an Audit	8 MB
Pictures Uploaded for Each Rectification	4
Size of Each Picture Uploaded for a Rectification	8 MB
Retention Period of Task List	3 Years
Retention Period of Deficiency List	3 Years
Industrial Inspection	
Device Types	1,000
Parts of Each Device Type	20
Sub-Parts of Each Part	10
Inspection Points of Each Device Type	50
Production Equipment	2,000
Inspection Schedules	150
Inspection Schedules Linked to Each Area	10
Max. Validity Period of Each Inspection Schedule	3 Years
Task Execution Cycle	Supports performing an inspection task for one time by day/week/month.
Areas Linked to Each Inspection Schedule	100
Retention Period of Task & Issue List	3 Years
Education Management	
Classes	120
Sections in Each Course Schedule	84
Retention Period of Course Records	3 Years
Retention Period of Class Attendance Data	3 Years
Retention Period of To-Be-Corrected Attendance Data	1 Month
Time Range of Displayed To-Be-Corrected Attendance Data	7 Days
Retention Period of School Arrival Records	3 Years
Time Range for Searching School Arrival Records	31 Days
Retention Period of Course Inspection Records	3 Years
Time Range for Searching Completed Courses	7 Days
Time Range for Searching Course Inspection Records	7 Days

(1): This recommended value refers to the number of thermal cameras connected to the system directly. It depends on the maximum performance (data processing and storage) in the situation when the managed thermal cameras uploading temperature data to the system. For thermal cameras connected to the system via NVR, there is no such limitation.



# System Requirement

\* For high stability and good performance, the following system requirements must be met.

OS for HikCentral Professional         Microsoft® Windows 10 64-bit Microsoft® Windows 7 5P1 64-bit Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2012 R2 64-bit Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.           OS for Control Client         Microsoft® Windows Server 2019 R4 SP1 64-bit Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.           OS for Control Client         Microsoft® Windows 10 64-bit Microsoft® Windows 10 64-bit Microsoft® Windows Server 2012 R4-bit Microsoft® Windows Server 2012 R4-bit Microsoft® Windows Server 2012 R4-bit Microsoft® Windows Server 2012 R2 64-bit Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.           Browser Version         Google Chrome® 100 and above Hirterox® 100 and above Microsoft® I1 and above           Browser Version         Safari® 13 and above Microsoft® I1 and above           OS for Mobile Client         IOS 10.0 and above Android 6.0 and above           Virtual Machine         Vivare® ESXI® 7.x Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit) "The Control Client Client Cannot run on the virtual machine. "Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for	<b>y</b> , <b>y</b> 1	
OS for HikCentral Professional       Microsoft* Windows 8.1 64-bit         Server       Microsoft* Windows Server 2019 64-bit         Microsoft* Windows Server 2012 82 64-bit       Microsoft* Windows Server 2012 82 64-bit         Microsoft* Windows Server 2012 82 64-bit       Microsoft* Windows Server 2018 82 SPI 64-bit         Microsoft* Windows Server 2012 82 64-bit       Microsoft* Windows Server 2012 82 64-bit         Microsoft* Windows Server 2012 82 64-bit       Microsoft* Windows Server 2012 82, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.       Microsoft* Windows 11 64-bit         Microsoft* Windows Server 2019 64-bit       Microsoft* Windows 16 64-bit         Microsoft* Windows Server 2019 64-bit       Microsoft* Windows 57 SPI 64-bit         Microsoft* Windows Server 2016 64-bit       Microsoft* Windows Server 2012 82, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.       Microsoft* Windows Server 2016 64-bit         Microsoft* Windows Server 2012 82 64-bit       Microsoft* Windows Server 2012 82, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.       Google Chrome* 100 and above         Firefox* 100 and above       Firefox* 100 and above         Microsoft* Edge 100 and above       Safari* 13 and above         Microsoft* Edge 100 and above       Nicrosoft* Edge 100 and above         Internet Explorer* 11 an		Microsoft <sup>®</sup> Windows 11 64-bit
Microsoft* Windows 7 SP1 64-bit           Microsoft* Windows Server 2019 64-bit           Server         Microsoft* Windows Server 2016 64-bit           Microsoft* Windows Server 2012 R2 P1 64-bit           Microsoft* Windows Server 2022           *For Windows S1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)           updated in April, 2014.           Microsoft* Windows S1 64-bit           Microsoft* Windows Server 2019 64-bit           Microsoft* Windows Server 2019 64-bit           Microsoft* Windows Server 2019 R2 P1 64-bit           Microsoft* Windows Server 2019 R2 P1 64-bit           Microsoft* Windows Server 2012 R2 64-bit           Microsoft* Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)           updated in April, 2014.           Google Chrome* 100 and above           Firefor* 100 and above           Firefor* 100 and above           Microsoft* Edge 100 and above           Microsoft* Hyper-V with Windows Server 2012 R2/2016 (64-bit)           * for thindowid 6.0 and above           Microsoft* Edge 100 and above           Microsoft* Edge 100 a		
OS for HikCentral Professional         Microsoft® Windows Server 2019 64-bit           Server         Microsoft® Windows Server 2012 R4-bit           Microsoft® Windows Server 2012 R4-bit         Microsoft® Windows Server 2012 R4-bit           Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.           Wicrosoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.           Microsoft® Windows S 16 4-bit         Microsoft® Windows S 16 4-bit           Microsoft® Windows Server 2015 R4-bit         Microsoft® Windows Server 2019 R4-bit           Microsoft® Windows Server 2019 G4-bit         Microsoft® Windows Server 2019 G4-bit           Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.           OS for Control Client         Microsoft® Windows Server 2012 G4-bit           Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.           Wicrosoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.           Browser Version         Safari® 13 and above         Firefox® 100 and above           Microsoft® Edge 100 and above         Internet Explore® 11 and above         Microsoft® 100 and above           Database         PostgreSQL V11.8         OS for Mobile		Microsoft <sup>®</sup> Windows 8.1 64-bit
OS for HikCentral Professional Server         Microsoft® Windows Server 2016 64-bit Microsoft® Windows Server 2012 R2 64-bit Microsoft® Windows Server 2008 R2 SP1 64-bit Microsoft® Windows Server 2020 *For Windows Server 2021 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.           Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.         Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.           Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit Microsoft® Windows 3.1 64-bit Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2012 64-bit Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.           Browser Version         Google Chrome® 100 and above Firefox® 100 and above Safari® 13 and above Microsoft® Edge 100 and above Internet Explore® 11 and above Microsoft® 11 and above           Database         PostgreGQL V11.8 IOS for Mobile Client           Microsoft® ESXI® 64, SIX ** XX Microsoft® ESXI® 7, X Microsoft® Hyper-V with Windows Server 2012 R2/2016 (64-bit) **Fe Cruto Client cannot run on the witrual machine.           Vintual Machine         VMware® ESXI® 7, X Microsoft® Hyper-V with Windows Server 2012 R2/2016 (64-bit)		Microsoft <sup>®</sup> Windows 7 SP1 64-bit
Server       Microsoft* Windows Server 2012 R2 64-bit         Microsoft* Windows Server 2008 R2 SP1 64-bit         Microsoft* Windows Server 2022         *For Windows 8.1 and Windows Server 2021 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.         Microsoft* Windows 10 64-bit         Microsoft* Windows 8.1 64-bit         Microsoft* Windows 8.1 64-bit         Microsoft* Windows Server 2019 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 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.         Google Chrome* 100 and above         Firefox* 100 and above         Microsoft* Edge 100 and above         Safari* 13 and above         Microsoft* Microsoft* Microsoft* Microsoft* Microsoft* Microsoft*         OS for Mobile Client       IOS 10.0 and above </td <th></th> <td>Microsoft® Windows Server 2019 64-bit</td>		Microsoft® Windows Server 2019 64-bit
Microsoft* Windows Server 2012 64-bit         Microsoft* Windows Server 2022         *For Windows Server 2022         *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* Windows 11 64-bit         Microsoft* Windows 10 64-bit         Microsoft* Windows 31 64-bit         Microsoft* Windows Server 2019 64-bit         Microsoft* Windows Server 2019 64-bit         Microsoft* Windows Server 2012 64-bit         Microsoft* Windows Server 2012 R2 64-bit         Microsoft* Windows Server 2012 R2 64-bit         Microsoft* Windows Server 2012 R2 64-bit         Microsoft* Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.         Google Chrome* 100 and above         Firefox* 100 and above         Safari* 13 and above         Microsoft* Edge 100 and above         Internet Explorer* 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       Vinware* ESXI** 7.x         Microsoft* Microsoft* Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client connot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the<	OS for HikCentral Professional	Microsoft <sup>®</sup> Windows Server 2016 64-bit
Microsoft® Windows Server 2008 R2 SP1 64-bit         Microsoft® Windows Server 2022         *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® Windows 11 64-bit         Microsoft® Windows 11 64-bit         Microsoft® Windows 11 64-bit         Microsoft® Windows 31 64-bit         Microsoft® Windows 7 SP1 64-bit         Microsoft® Windows Server 2019 64-bit         Microsoft® Windows Server 2012 R2 64-bit         Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.         Google Chrome® 100 and above         Firefox® 100 and above         Firefox® 100 and above         Microsoft Edge 100 and above         Internet Explorer® 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       Microsoft®, K, EXI™ 7.x         Wincosoft Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machine	Server	Microsoft <sup>®</sup> Windows Server 2012 R2 64-bit
Microsoft* Windows Server 2022         *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* Windows 0.0 64-bit         Microsoft* Windows 5.1 64-bit         Microsoft* Windows 5.1 64-bit         Microsoft* Windows Server 2016 64-bit         Microsoft* Windows Server 2016 64-bit         Microsoft* Windows Server 2012 R2 64-bit         Microsoft* Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.         Google Chrome* 100 and above         Firefox* 100 and above         Firefox* 110 and above         Microsoft* Edge 100 and above         Internet Explorer* 11 and above         Internet Explorer* 11 and above         Android 6.0 and above         Microsoft* Hyper-V w		Microsoft <sup>®</sup> Windows Server 2012 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* Windows 8.1 64-bit         Microsoft* Windows 8.1 64-bit         Microsoft* Windows 8.1 64-bit         Microsoft* Windows 8.1 64-bit         Microsoft* Windows Server 2019 64-bit         Microsoft* Windows Server 2019 64-bit         Microsoft* Windows Server 2012 64-bit         Microsoft* Windows Server 2012 82 64-bit         Microsoft* Windows Server 2012 84-bit         Microsoft* Windows Server 2012 82 591 64-bit         *For Windows Server 2008 R2 SP1 64-bit         *For Windows Server 100 and above         Firefox* 100 and above         Firefox* 100 and above         Firefox* 100 and above         Nicrosoft* Edge 100 and above         Internet Explorer* 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       IOS 10.0 and above         Microsoft* Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Profess		Microsoft <sup>®</sup> Windows Server 2008 R2 SP1 64-bit
updated in April, 2014.           Microsoft® Windows 11 64-bit           Microsoft® Windows 10 64-bit           Microsoft® Windows 10 64-bit           Microsoft® Windows 7 SP1 64-bit           Microsoft® Windows Server 2019 64-bit           Microsoft® Windows Server 2019 64-bit           Microsoft® Windows Server 2012 782, make sure it is installed with the rollup (KB2919355)           updated in April, 2014.           Google Chrome® 100 and above           Firefox* 100 and above           Safari* 13 and above           Microsoft* Edge 100 and above           Internet Explorer* 11 and above           Database         PostgreSQL V11.8           OS for Mobile Client         IOS 10.0 and above           Android 6.0 and above         Android 6.0 and above           Viftware® ESXI** 6.x, ESXI** 7.x         Microsoft** Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)		Microsoft <sup>®</sup> Windows Server 2022
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 2019 64-bit         Microsoft® Windows Server 2012 82 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.         Google Chrome® 100 and above         Firefox® 100 and above         Microsoft® Edge 100 and above         Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the </td <th></th> <td>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)</td>		*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)
OS for Control Client       Microsoft® Windows 10 64-bit Microsoft® Windows 7 SP1 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 A2 64-bit Microsoft® Windows Server 2008 R2 SP1 64-bit *For Windows Server 2012 R2. microsoft® Undows Server 2012 R2. microsoft® Edge 100 and above Safari® 13 and above Microsoft® Edge 100 and above Internet Explore® 11 and above         Database       PostgreSQL V11.8 IOS 10.0 and above Android 6.0 and above Androi		updated in April, 2014.
OS for Control Client       Microsoft® Windows 8.1 64-bit         Microsoft® Windows Server 2019 64-bit       Microsoft® Windows Server 2019 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 2012 R2 54-bit       Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.       Gogle Chrome® 100 and above         Firefox® 100 and above       Safari® 13 and above         Safari® 13 and above       Microsoft® Edge 100 and above         Internet Explorer® 11 and above       Internet Explorer® 11 and above         OS for Mobile Client       iOS 10.0 and above         Virtual Machine       VMware® ESXI™ 7.x         Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.		Microsoft <sup>®</sup> Windows 11 64-bit
OS for Control Client       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 R2 64-bit         Microsoft® Windows Server 2012 R2 64-bit       Microsoft® Windows Server 2012 R2 64-bit         Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.         Google Chrome® 100 and above         Firefox® 100 and above         Safari® 13 and above         Microsoft® Edge 100 and above         Internet Explorer® 11 and above         OS for Mobile Client         Virtual Machine         Virtual Machine		Microsoft <sup>®</sup> Windows 10 64-bit
OS for Control Client       Microsoft® Windows Server 2019 64-bit         Microsoft® Windows Server 2012 R2 64-bit       Microsoft® Windows Server 2012 R2 64-bit         Microsoft® Windows Server 2012 R2 64-bit       Microsoft® Windows Server 2012 R2 64-bit         Microsoft® Windows Server 2012 R2 64-bit       Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.       Google Chrome® 100 and above         Browser Version       Google Chrome® 100 and above         Safari® 13 and above       Microsoft® Edge 100 and above         Internet Explorer® 11 and above       Microsoft® Edge 100 and above         OS for Mobile Client       iOS 10.0 and above         Virtual Machine       VMware® ESXI™ 6.x, ESXI™ 7.x         Wicrosoft Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		Microsoft <sup>®</sup> Windows 8.1 64-bit
OS for Control Client       Microsoft® Windows Server 2016 64-bit         Microsoft® Windows Server 2012 R2 64-bit       Microsoft® Windows Server 2012 R4-bit         Microsoft® Windows Server 2008 R2 SP1 64-bit       Microsoft® Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)         updated in April, 2014.       Google Chrome® 100 and above         Firefox® 100 and above       Firefox® 100 and above         Safari® 13 and above       Microsoft® Edge 100 and above         Internet Explore® 11 and above       Internet Explore® 11 and above         OS for Mobile Client       iOS 10.0 and above         Virtual Machine       VMware® ESXI™ 6.x, ESXI™ 7.x         Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		Microsoft <sup>®</sup> Windows 7 SP1 64-bit
Microsoft® Windows Server 2012 R2 64-bitMicrosoft® Windows Server 2012 64-bitMicrosoft® 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.Google Chrome® 100 and aboveFirefox® 100 and aboveSafari® 13 and aboveMicrosoft® Edge 100 and aboveInternet Explorer® 11 and aboveOS for Mobile ClientVirtual MachineVirtual Machine		Microsoft® Windows Server 2019 64-bit
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*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.         Google Chrome® 100 and above         Firefox® 100 and above         Safari® 13 and above         Microsoft® Edge 100 and above         Internet Explorer® 11 and above         PostgreSQL V11.8         OS for Mobile Client         Virtual Machine         Virtual Machine		Microsoft <sup>®</sup> Windows Server 2012 64-bit
updated in April, 2014.         Google Chrome® 100 and above         Firefox® 100 and above         Safari® 13 and above         Microsoft® Edge 100 and above         Internet Explorer® 11 and above         PostgreSQL V11.8         OS for Mobile Client         Virtual Machine         Virtual Machine		Microsoft <sup>®</sup> Windows Server 2008 R2 SP1 64-bit
Google Chrome® 100 and above         Firefox® 100 and above         Safari® 13 and above         Microsoft® Edge 100 and above         Internet Explorer® 11 and above         Internet Explorer® 11 and above         PostgreSQL V11.8         OS for Mobile Client         Virtual Machine         Virtual Machine             Virtual Machine		*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355)
Browser Version       Firefox® 100 and above         Safari® 13 and above       Microsoft® Edge 100 and above         Microsoft® Edge 100 and above       Internet Explorer® 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       iOS 10.0 and above         Android 6.0 and above       Android 6.0 and above         Virtual Machine       VMware® ESXi™ 6.x, ESXi™ 7.x         Nicrosoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		updated in April, 2014.
Browser Version       Safari® 13 and above         Microsoft® Edge 100 and above       Microsoft® Edge 100 and above         Internet Explorer® 11 and above       Internet Explorer® 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       iOS 10.0 and above         Android 6.0 and above       Android 6.0 and above         Virtual Machine       VMware® ESXi™ 6.x, ESXi™ 7.x         Wicrosoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		Google Chrome <sup>®</sup> 100 and above
Microsoft® Edge 100 and above Internet Explorer® 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       iOS 10.0 and above Android 6.0 and above         Virtual Machine       VMware® ESXi™ 6.x, ESXi™ 7.x Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine. *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		Firefox <sup>®</sup> 100 and above
Internet Explorer® 11 and above         Database       PostgreSQL V11.8         OS for Mobile Client       iOS 10.0 and above         Android 6.0 and above       Android 6.0 and above         Virtual Machine       VMware® ESXi™ 6.x, ESXi™ 7.x         Wirtual Machine       *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the	Browser Version	Safari <sup>®</sup> 13 and above
Database       PostgreSQL V11.8         OS for Mobile Client       iOS 10.0 and above         Android 6.0 and above       X         VMware® ESXi™ 6.x, ESXi™ 7.x       Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         Virtual Machine       *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		Microsoft <sup>®</sup> Edge 100 and above
OS for Mobile Client       iOS 10.0 and above Android 6.0 and above         VMware® ESXi™ 6.x, ESXi™ 7.x         Virtual Machine         Virtual Machine		Internet Explorer <sup>®</sup> 11 and above
OS for Mobile Client       Android 6.0 and above         Android 6.0 and above       VMware® ESXi™ 6.x, ESXi™ 7.x         Virtual Machine       Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.       *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the	Database	PostgreSQL V11.8
Android 6.0 and above         VMware® ESXi™ 6.x, ESXi™ 7.x         Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the	OS for Mahila Cliant	iOS 10.0 and above
Virtual Machine       Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)         *The Control Client cannot run on the virtual machine.         *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the	US for Mobile Client	Android 6.0 and above
Virtual Machine*The Control Client cannot run on the virtual machine. *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		VMware <sup>®</sup> ESXi <sup>™</sup> 6.x, ESXi <sup>™</sup> 7.x
<b>Virtual Machine</b> *Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the		Microsoft <sup>®</sup> Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)
*Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the	Virtual Machine	*The Control Client cannot run on the virtual machine.
stragming server running on the virtual machine	virtual Machine	*Refer to the Deployment Guide of HikCentral Professional on VMware Virtual Machines for how the
streathing server ranning on the virtual machine.		streaming server running on the virtual machine.
*Virtual server migration is not supported.		*Virtual server migration is not supported.



# **Recommended Hardware Specification**



Processor	Intel® Xeon® E-2314 @ 2.80 GHz	
16G DDR4 DIMM slots, Supports UDIMM, up to 2		p to 2666 MT/s, 64GB Max.
Memory	Supports registered ECC	
	Internal Controllers: SAS_H330	
	Software RAID: PERC S140	
Storage Controllers	External HBAs: 12Gbps SAS HBA (non-RAID)	)
	Boot Optimized Storage Subsystem: 2x M.2 240GB (RAID 1 or No RAID), 1x M.2 240GB (No	
	RAID Only)	
Drive Bays	1T 7.2K SATA×2	
Power Supplies	Single 250W (Bronze) power supply	
	Form Factor: Rack (1U)	
Dimensions	Chassis Width: 434.00mm (17.08 in)	
Dimensions	Chassis Depth: 595.63mm (23.45 in) (3.5"HHD)	
	Note: These dimensions do not include: bezel, redundant PSU	
Dimensions with Package	750 mm × 614 mm × 259 mm	
(W × D × H)	(29.53" × 24.17" × 10.2")	
Net Weight	12.2 kg	
Weight with Package	18.5 kg	
Embedded NIC	2 x 1GbE LOM Network Interface Controller (NIC) ports	
Device Access	Front Ports: 1x USB 2.0, 1 x IDRAC micro US	B 2.0 management port
Device Access	Rear Ports: 2 x USB 3.0, VGA, serial connect	or
	iDRAC9 with Lifecycle Controller	
Embedded Management	iDRAC Direct	
	DRAC RESTful API with Redfish	
	Integrations:	Connections:
	Microsoft <sup>®</sup> System Center	Nagios Core & Nagios XI
Integrations and Connections	VMware <sup>®</sup> vCenter™	Micro Focus Operations Manager i (OMi)
	BMC Truesight (available from BMC)	IBM Tivoli Netcool/OMNIbus
	Red Hat Ansible	
	Certify XenServer	
Operating Systems	Citrix® XenServer®	
	Microsoft Windows Server <sup>®</sup> with Hyper-V	
	<i>Note:</i> This model is installed with Microsoft Windows Server <sup>®</sup> 2016 multilingual operating	
	system.	
Virtual Machines	VMware <sup>®</sup> ESXi	



Headquarters No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 www.hikvision.com

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