



**HikCentral Professional V1.6.0027 Temperature Screening
Datasheet**

Introduction

HikCentral Professional is a flexible, scalable, reliable and powerful central surveillance system. It can be delivered after pre-installed on Dell server. HikCentral Professional provides central management, information sharing, convenient connection and multi-service cooperation. It is capable of adding devices for management, live view, storage and playback of video files, alarm linkage, access control, time and attendance, facial identification, and so on.



Highlight Features

- Real-time temperature results display
- Mask detection
- BI-spectrum live view
- Abnormal temperature alarm
- Face search by captured pictures
- Abnormal registration/ Analysis
- Alarm video export
- Skin-surface Temperature analysis report
- Historical temperature data
- Attendance report
- Retention
- Social distance

Scenarios

- Temporary scenarios
- Reopening scenarios
- AI group temperature screening
- Retention and social distance

System Requirements

Feature	Description
OS for HikCentral Professional Server	Microsoft® Windows 7 SP1 (64-bit) Microsoft® Windows 8.1 (64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 SP1 (64-bit) Microsoft® Windows Server 2012 (64-bit) Microsoft® Windows Server 2012 R2 (64-bit)

	<p>Microsoft® Windows Server 2016 (64-bit)</p> <p>Microsoft® Windows Server 2019 (64-bit)</p> <p><i>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) undated in April, 2014.</i></p>
OS for Control Client	<p>Microsoft® Windows 7 SP1 (32/64-bit)</p> <p>Microsoft® Windows 8.1 (32/64-bit)</p> <p>Microsoft® Windows 10 (64-bit)</p> <p>Microsoft® Windows Server 2008 R2 SP1 (64-bit)</p> <p>Microsoft® Windows Server 2012 (64-bit)</p> <p>Microsoft® Windows Server 2012 R2 (64-bit)</p> <p>Microsoft® Windows Server 2016 (64-bit)</p> <p>Microsoft® Windows Server 2019 (64-bit)</p> <p><i>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) undated in April, 2014.</i></p>
Browser Version	<p>Internet Explorer 10/11 and above</p> <p>Chrome 61 and above</p> <p>Firefox 57 and above</p> <p>Safari 11 and above (running on Mac OS X 10.3/10.4)</p>
Database	PostgreSQL V9.6.13
OS for Smartphone	<p>iOS 10.0 and later</p> <p>Android phone OS version 5.0 or later, and dual-core CPU with 1.5 GHz or above, and at least 2G RAM</p>
OS for Tablet	<p>iOS 10.0 and later</p> <p>Android tablet with Android OS version 5.0 or later</p>
Virtual Machine	<p>VMware® ESXi™ 6.x</p> <p>Microsoft® Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit)</p> <p><i>*The Streaming Server and Control Client cannot run on the virtual machine.</i></p> <p><i>*Virtual server migration is not supported.</i></p>

Software Specification

The following table shows the maximum performance of the HikCentral Professional server. For other detailed data and performance, refer to *Software Requirements & Hardware Performance*.

Features		Maximum Performance	
		i5-4590/8G	E3-1220/16G
General	Cameras	128	3,000
	Managed Device IP Addresses <i>*Including Encoding Devices, Access Control Devices,</i>	128	1,024

	<i>Elevator Control Devices, Security Control Devices, and Remote Sites</i>		
	<i>Video Intercom Devices</i>	512	1,024
	Alarm Inputs	100	3,000
	Alarm Outputs	100	3,000
	DS-5600 Series Face Recognition Terminals When Applied with Hikvision Turnstiles	16	32
	DeepinMind Server	64	64
	ANPR Cameras	128	3,000
	People Counting Cameras	60	300
	Thermal Cameras	128	128
	Queue Management Cameras	128	300
	Resource Groups	1,000	1,000
	Resources in One Resource Group	64	64
Event & Alarm	Events or alarms without picture per second.	30	100
	Events or alarms with pictures per second.	5	20
Reports	Regular Report Rules	100	100
	Event or Alarm Rules in One Event/Alarm Report Rule	32	32
	Records in One Sent Report	10,000 or 10 MB	10,000 or 10 MB
	Resources Selected in One Report <i>*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.</i>	20	20
Data Storage	Data Retention Period	Stored for 3 Years	Stored for 3 Years
	People Counting	5 million	5 million
	Heat Map	0.25 million	0.25 million
	ANPR	60 million	60 million
	Events	60 million	60 million
	Alarms	60 million	60 million
	Access Records	1.4 billion	1.4 billion
	Attendance Records	55 million	55 million
	Visitor Records	10 million	10 million
	Operation Logs	5 million	5 million
Service Information Logs	5 million	5 million	

	Service Error Logs	5 million	5 million
	Recording Tags	60 million	60 million
Users and Roles	Concurrent Accesses via Web Clients, Control Clients, and OpenAPI Clients	5	100
	Concurrent Accesses via Mobile Clients and OpenAPI Clients	5	100
	Users	100	3,000
	Roles	100	3,000
Vehicle (ANPR)	Vehicle Lists	13	100
	Vehicles per Vehicle List	60000total	5,000
Entrance & Exit	Lanes	8	8
	Cards Linked with Vehicles	250,000	250,000
	Vehicle Passing Frequency in Each Lane	1 Vehicle/s	1 Vehicle/s
Face Comparison	Persons with Profiles for Face Comparison	2,000	1,000,000
	Face Comparison Groups	16	64
Access Control	Persons with Credentials for Access Control	1,000	50,000
	Visitors	1,000	10,000
	Cards	5,000	250,000
	Fingerprints	4,000	200,000
	Profiles	1,000	50,000
	Access Points (Doors + Floors)	16	512
	Access Groups	16	512
	Access Levels	32	512
	Access Schedules		32
Time and Attendance	Persons for Time and Attendance	1,000	10,000
	Attendance Groups	256	256
	Shift Schedules	128	128
Smart Wall	Decoding Devices	32	32
	Smart Walls	32	32
	Views	1,000	1,000
	Views Auto-Switched Simultaneously	32	32
Streaming Server's Maximum Performance			
Video Input Bandwidth per Streaming Server			300 × 2 Mbps
Video Output Bandwidth per Streaming Server			300 × 2 Mbps

①: i5 for temporary scenario, recommended installed in one PC.

②: E3 for temperature screening scenarios, recommended separated deployment.