

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

# 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  *\*Including Encoding Devices, Access Control Devices, Elevator Control Devices, Security Control Devices, and Remote Sites* | 128 | 1,024 |
| *Video Intercom Devices* | 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  *\*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.* | 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.