



**HikCentral Enterprise-Commercial V1.1.0**  
**Datasheet**

## Introduction

HikCentral Enterprise-Commercial is a flexible, scalable, reliable and powerful central surveillance system. It provides central management, information sharing, convenient connection and multi-service cooperation. It is capable of adding devices for management, live view, storage and playback, alarm linkage, access control, parking managements, time and attendance, and so on.



## Key Components

### 1. Server Modules

Module ID	Module Name
HikCentral Enterprise-SM	System Management (Mandatory)
HikCentral Enterprise-VMS	Video Surveillance Management
HikCentral Enterprise-ACS	Access Control
HikCentral Enterprise-PMS	Parking Management
HikCentral Enterprise-TAS	Time and Attendance
HikCentral Enterprise-Visitor	Visitor Management
HikCentral Enterprise-ECS	Elevator Control
HikCentral Enterprise-VideoWall	Video Wall
HikCentral Enterprise-SCPMS	Intrusion
HikCentral Enterprise-FRS	Facial Surveillance
HikCentral Enterprise-NCG	Video Network Gateway
HikCentral Enterprise-GTPS	Patrol
HikCentral Enterprise-MPC	Campus Checkpoint
HikCentral Enterprise-VIS	Video Intercom
HikCentral Enterprise-Storage	Central Storage

### 2. Clients

- Web Client
- Control Client
- Booth Client
- Self-Service Client

- Manual Visitor Client

### 3. Mobile APPs

- HikCentral Enterprise Mobile APP (iOS/Android)
- HikCentral Enterprise HD Mobile APP (iOS/Android)
- iPad Video Wall Controller (iOS only)
- Face Picture Collection APP (iOS/Android)

## System Requirements

Feature	Description
<b>OS for Server</b>	CentOS 7.2 (64-bit) CentOS 7.4 (64-bit) CentOS 7.6 (64-bit)
<b>OS for Control Client</b>	Microsoft® Windows 7 (32/64-bit) Microsoft® Windows 10 (64-bit)
<b>Browser Version</b>	Internet Explorer 11 and above Chrome 63.0.3239.108 and above
<b>OS for Mobile APP</b>	iOS 10 and later Android phone OS version 5.0 or later

## Software Specification

The following table shows the maximum performance of the HikCentral Enterprise-Commercial.

Component	Feature	Max. Performance
<b>Base Functions</b>	Areas	20,000
	Organizations	50,000
	Users	200,000
	Simultaneous Online Users	5,000
	Roles	10,000
	Persons	300,000
	Cards	300,000
<b>Events &amp; Alarms</b>	Simultaneous Events	300 Events/s
	Event Storage	72,000,000 Events
	Event Retention Period	3 Years
<b>Maps</b>	Resources in Map	20,000
	Maps per Area	4
<b>Video Surveillance</b>	Channels for Video Surveillance	100,000
	Video Walls	10
	Decoding Devices	128
	Screens per Video Wall	25 × 25
<b>Access Control</b>	Access Control Devices	20,000
	Access Points (Doors)	20,000
	Access Records Storage	50,000,000 Records

	Access Records Retention Period	3 Years
<b>Time &amp; Attendance</b>	Persons for Time and Attendance	200,000
	Access Records Storage	40,000,000 Records
	Attendance Records Storage	10,000,000 Records
	Access Records Retention Period	3 Years
	Attendance Details Retention Period	3 Years
<b>Elevator Control</b>	Elevator Control Devices	500
<b>Patrol Management</b>	Simultaneous Patrol Routes	50 Routes
	Card Swiping Records Storage for Patrol	8,000,000 Records
	Patrol Data Retention Period	3 Years
<b>Video Intercom</b>	Indoor Stations	10,000
	Video Intercom Devices	10,000
	Access Records Storage	50,000,000 Records
	Access Records Retention Period	3 Years
<b>Parking</b>	Vehicles per Day	100,000 Vehicles per Day
	Parking Lots	20
	Lanes	60
	Parking Spaces	10,000
	Registered Vehicles	30,000
<b>Campus Checkpoint</b>	Capture Cameras	30
	Display Screens	30
	Passing Vehicle Records Storage	10,000,000
	Passing Vehicle Records Retention Period	3 Years
<b>Facial Surveillance</b>	Facial Recognition Servers	5
	Face Capture Cameras	500
	DeepinMind NVRs	100
	Face Recognition Schedule Applying Speed	1.6 Faces/s in Average
	Faces	300,000
	Face Groups	16
	Simultaneous Facial Recognition Events	200 Events/s
<b>Intrusion</b>	Security Control Panels	100
	Zones	1,000
	Zones per Area	1,000
	Alarm Records Storage	1,000,000
<b>Panic Alarm</b>	Panic Alarm Devices	500
	Alarm Records Storage	1,000,000
	Alarm Records Retention Period	3 Years
<b>Central Storage</b>	Channels	100,000

## Hardware Specification

Hardware	
<b>Processor</b>	Intel® Xeon™ Silver 4110 (2.1G, 8C/16T, 9.6GT/s)
<b>Operating System</b>	CentOS 7.2 (64-bit) CentOS 7.4 (64-bit) CentOS 7.6 (64-bit)
<b>Memory</b>	16G RDIMM × 2, 2666MT/s RDIMMS
<b>Storage</b>	1T SATA × 2, 3.5" Enterprise SATA 7.2k HDDs
<b>RAID</b>	H330 RAID Controller with RAID 1
<b>Drive bays</b>	up to 8 x 3.5" SAS/SATA HDD
<b>Optical Drive</b>	DVD+/-RW, SATA, Int
<b>NIC</b>	1GbE × 4
<b>Chassis</b>	2U, Rack Mount
<b>Battery</b>	CR-2032 Coin Cell/Lithium/0.0032kg
<b>Power Supply</b>	495W AC Power Supply × 2
<b>Embedded management</b>	iDRAC9, Express
<b>I/O &amp; Ports</b>	Front ports: VGA, 2 x USB 2.0, dedicated iDRAC Direct Micro-USB Rear ports: VGA, serial, 2 x USB 3.0, dedicated iDRAC9 network port
<b>Dimensions (W × D × H)</b>	482.38 mm × 755.8 mm × 87.3 mm (18.99" × 29.76" × 3.44")
<b>Weight</b>	23.5 kg
<b>Dimensions with Package (W × D × H)</b>	960 mm × 610 mm × 295 mm (37.8" × 24.02" × 11.61")
<b>Weight with Package</b>	32.1 kg (70.8 lb)



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