

## HikCentral-Workstation/64

HikCentral-Workstation/64 is an integrated security software designed to meet versatile security challenges in one intuitive platform: from managing individual systems such as video security, access control, intrusion alarm, etc., to collaborating multiple systems under a unified architecture. While protecting people and property, it makes daily operations more efficient, and helps various kinds of users make smarter decisions.



### Key Feature

#### Home Page

- Providing two predefined Home page modes on Web Client, including system installation and management mode, security control and management mode
- Supports customizing Home page mode on Web Client
- Supports customizing control panel on Control Client
- Supports switching Home page mode for visualization and non-visualization management
- Providing different report dashboards for resource status, access records, vacant parking spaces, alarms, etc., on the Home page of Web Client

#### Wizard

- Providing wizards for video management, access control, vehicle management, alarm detection, and time & attendance on Web Client

#### Live View and Playback

- Custom window division configurable
- Viewing maps and real-time events during live view and playback
- Stream type self-adaptive, transcoded playback, and frame- extracting playback
- Fisheye dewarping of multi-channel
- Controlling PTZ in visualization way
- Supports decoding stream from cameras with high-definition, such as PanoVu series camera

#### Visual Tracking

##### Recording and Storage

- Recording schedule for continuous recording, event recording and command recording
- Storing videos on encoding devices, Hybrid SANs, cloud storage servers, pStors
- Providing main storage and auxiliary storage
- Providing video copy-back
- Storing alarm pictures on NVRs, Hybrid SANs, cloud storage servers, pStors, or HikCentral server
- Supports search of VCA event related videos, video footages, and event triggered video footages.

##### Event and Alarm Management

- Camera linkage, alarm pop-up window and multiple linkage actions
- Multiple events for video security, access control, resource group, resource maintenance, etc.
- Supports adding combined alarms in a visualization way

## Person Management

- Getting person information from added devices
- Provides multiple types of credentials, including card number, face, and fingerprint, for composite authentications

## Access Control and Video Intercom

- Setting schedules for free access status and access forbidden status of doors
- Supports multiple access modes for both card reader authentication and person authentication
- Supports assigning an access level to persons, assigning access levels to persons, assigning access levels to person groups, and assigning access levels to an access group
- Supports advanced functions such as multi-factor authentication, anti-passback, and multi-door interlocking
- Controlling door status in real-time
- Calling indoor station by the Control Client
- Calling the platform by door station and indoor station, and answering the call by the Control Client
- Supports setting card templates and printing cards
- Supports storing access data of devices supporting ISUP to the local storage

## Security Control

- Real-time alarm management for added security control panels
- Adding zone as hot spot on E-map and viewing the video of the linked camera
- Event and alarm linkage with added cameras, including pop-up live view, captured picture
- Subscribing the events that the Control Client can display in real-time
- Acknowledging the received alarm on the Control Client

## Vehicle and Parking Management

- Managing parking lots, entrances and exits, and lanes.
- Supports linking guidance screens with parking lot for information display
- Setting entry & exit rules for registered vehicles as well as temporary vehicles
- Entrance and exit control based on license plate recognition, card, or video intercom
- Viewing real-time and history vehicle information and controlling barrier gate manually on the Control Client

## Temperature Screening

- Displaying the skin-temperature and whether wearing a mask or not about the recognized persons in real time
- Triggering events and alarms when detects abnormal temperature and no mask worn
- Viewing reports about skin-surface temperature and mask-wearing

## Face and Body Recognition

- Displaying the information of the recognized persons in real-time
- Searching history records of recognized persons, including searching in captured pictures, searching matched persons, searching by features of persons, and searching frequently or rarely appeared persons
- Supports generating movement patterns for matched persons and playing patterns on the map
- Supports setting multiple rules for dumping access records

## Third-Party Integration

- Sending the original attendance data to a third-party database (Microsoft® SQL Server, MySQL, PostgreSQL, or Oracle), thus the client can access third-party T&A and payment system
- Supports dumping access records as the CVS or TXT files to the local storage
- Supports setting table name, table fields, and mode for the third-party database

## Network Management

- Managing network transmission devices such as switches, displaying the network connection and hierarchical relationship of the managed resources by a topology
- Viewing the network details between the device nodes in the topology, such as downstream and upstream rate, port information, etc. and checking the connection path
- Exporting the topology and abnormal data to check the device connection status and health status

## Software Specification

| Features                     |   | Maximum Performance  |
|------------------------------|---|----------------------|
| <b>Devices and Resources</b> | Cameras<br><i>*Including ANPR Cameras and Cameras with Face Capture Function</i>  | 64                   |
|                              | Managed Device IP Addresses<br><i>*Including Encoding Devices, Access Control Devices, Security Control Devices, and Remote Sites</i>                     | 256                  |
|                              | Video Intercom Devices<br><i>*Including Indoor Station</i>  | 16                   |
|                              | Alarm Inputs (Including Zones of Security Control Devices)  | 32                   |
|                              | Alarm Outputs   | 32                   |
|                              | Alarm Inputs of Security Control Devices  | 32                   |
|                              | ANPR Cameras  | 8                    |
|                              | Cameras with Face Capture Function  | 4                    |
|                              | Security Radars   | 2                    |
|                              | Areas   | 128                  |
|                              | Cameras per Area  | 64                   |
|                              | Alarm Inputs per Area   | 32                   |
|                              | Alarm Outputs per Area  | 32                   |
|                              | <b>Recording</b>  | Recording Schedule   |
| Recording Schedule Template  |   | 32                   |
| <b>Event &amp; Alarm</b>     | Event and Alarm Rules   | 128                  |
|                              | Storage of Events or Alarms without Pictures  | 10/s                 |
|                              | Events or Alarms Sent to Clients<br><i>*The clients include Control Clients and Mobile Clients.</i>   | 10/s<br>16 Clients/s |
|                              | Notification Schedule Templates   | 100                  |
| <b>Picture</b>               | Picture Storage<br><i>*Including event/alarm pictures, face pictures, and vehicle pictures.</i>   | 10/s                 |
| <b>Reports</b>               | Regular Report Rules  | 64                   |
|                              | Event or Alarm Rules in One Event/Alarm Report Rule   | 32                   |
|                              | Records in One Sent Report  | 10,000 or 10 MB      |
|                              | Resources Selected in One Report<br><i>*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.</i> | 20                   |
| <b>Data Storage</b>          | Data Retention Period   | Stored for 6 Months  |
| <b>Users and Roles</b>       | Concurrent Accesses via Web Clients and Control Clients   | 16                   |
|                              | Concurrent Accesses via Mobile Clients  | 16                   |
|                              | Users   | 32                   |
|                              | Roles   | 32                   |
| <b>Vehicle (ANPR)</b>        | Vehicle Lists   | 50                   |
|                              | Vehicles per Vehicle List   | 500                  |
| <b>Entrance &amp; Exit</b>   | Lanes   | 4                    |
|                              | Cards Linked with Vehicles  | 2,500                |
|                              | Vehicle Passing Frequency in Each Lane  | 1 Vehicle/s          |
| <b>Face Comparison</b>       | Persons with Profiles for Face Comparison   | 10,000               |
|                              | Face Comparison Groups  | 16                   |
|                              | Persons in One Face Comparison Group  | 1,000                |
| <b>Access Control</b>        | Persons with Credentials for Access Control   | 5,000                |
|                              | Total Credentials (Card + Fingerprint)  | 25,000               |
|                              | Cards   | 25,000               |
|                              | Fingerprints  | 20,000               |
|                              | Profile Pictures  | 5,000                |

|  |  |    |
|--|--|----|
|  | Access Points (Doors + Outdoor Station ) | 16 |
|  | Access Levels                            | 32 |
|  | Access Schedules                         | 32 |

## Decoding Performance of Control Client

| Resolution                            | Video Encoding Type | Recommended Bite Rate and Frame Rate | Maximum Hardware Decoding Channels | Maximum Software Decoding Channels |
|---------------------------------------|---------------------|--------------------------------------|------------------------------------|------------------------------------|
| 4CIF (704*576)                        | H.264               | 1024 kbps * 30 fps                   | 36                                 | 36                                 |
|                                       | H.265               | 512 kbps * 30 fps                    | 32                                 | 32                                 |
| 720P (1280*720)                       | H.264               | 2048 kbps * 30 fps                   | 16                                 | 15                                 |
|                                       | H.265               | 1024 kbps * 30 fps                   | 16                                 | 12                                 |
| 1080P (1920 × 1080)                   | H.264               | 4096 kbps * 30 fps                   | 8                                  | 8                                  |
|                                       | H.265               | 2048 kbps * 30 fps                   | 9                                  | 6                                  |
| 4M (2560 × 1440)                      | H.264               | 8192 kbps * 30 fps                   | 5                                  | 4                                  |
|                                       | H.265               | 4096 kbps * 30 fps                   | 5                                  | 3                                  |
| 8M (3840 × 2160)                      | H.264               | 16384 kbps * 30 fps                  | 2                                  | 2                                  |
|                                       | H.265               | 8192 kbps * 30 fps                   | 2                                  | 1                                  |
| 6M (2560 × 2560)<br>(Fisheye Camera)  | H.264               | 12288 kbps * 30 fps                  | 4                                  | 3                                  |
|                                       | H.265               | 6144 kbps * 30 fps                   | 4                                  | 3                                  |
| 12M (4000 × 4000)<br>(Fisheye Camera) | H.264               | 16384 kbps * 20 fps                  | 2                                  | 1                                  |
|                                       | H.265               | 8192 kbps * 20 fps                   | 2                                  | 1                                  |

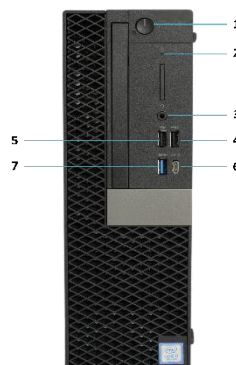
## Hardware Specification



|                               |  |
|-------------------------------|--|
| <b>Processor</b>              | Intel® Core™ i5-8500 (6Cores/9MB/6T/ Up to 4.1GHz/65W)   |
| <b>Operating Systems</b>      | Microsoft® Windows 10 IoT Ent (64-bit)   |
| <b>Memory</b>                 | 2 × 4GB 2666MHz DDR4 UDIMM   |
| <b>Graphics Card</b>          | Integrated Intel® HD Graphics 630  |
| <b>Storage</b>                | M.2 256GB SATA Class 20 solid state drive  |
| <b>NIC</b>                    | Integrated Intel I219-LM Ethernet LAN 10/100/1000  |
| <b>I/O Ports</b>              | 10 External USB: 1 × USB Type-C 3.1 Gen 2, 5 × 3.1 Gen 1 Type-A (1 Front, 4 Rear), 4 × USB 2.0, 1 × RJ-45, 2 × Displayport, 1 × Serial, 2 × PS/2 |
| <b>Form Factor</b>            | Small Form Factor  |
| <b>Power Supply</b>           | 300W typical 90% Efficient PSU (80 PLUS Bronze)  |
| <b>Dimensions (H × W × D)</b> | 29cm × 9.26cm × 29.2cm<br>(11.42" × 3.7" × 11.5")  |
| <b>Weight</b>                 | 7.57lbs / 5.26kg   |
| <b>Certification</b>          | CE, FCC, UL  |
| <b>Warranty</b>               | 36 Months  |

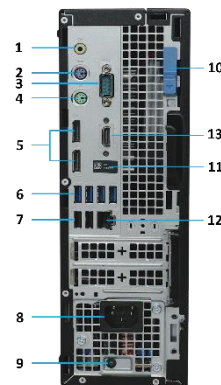
### Front View

- 1- Power Button and Power Light
- 2- Hard Drive Activity Light
- 3- Headset/Universal Audio Jack Port
- 4- USB 2.0 Port with PowerShare
- 5- USB 2.0 Port
- 6- USB 3.1 Gen 2 Port with PowerShare
- 7- USB 3.1 Gen 1 Port



### Back View

- 1- Line-Out Port
- 2- PS/2 Keyboard Port
- 3- Serial Port
- 4- PS/2 Mouse Port
- 5- Display Ports
- 6- USB 3.1 Gen 1 Ports
- 7- USB 2.0 Ports (Supports SmartPower On)
- 8- Power Connector Port
- 9- Power Supply Diagnostic Light
- 10- Release Latch
- 11- Service Tag Label
- 12- Network Port
- 13- HDMI Port



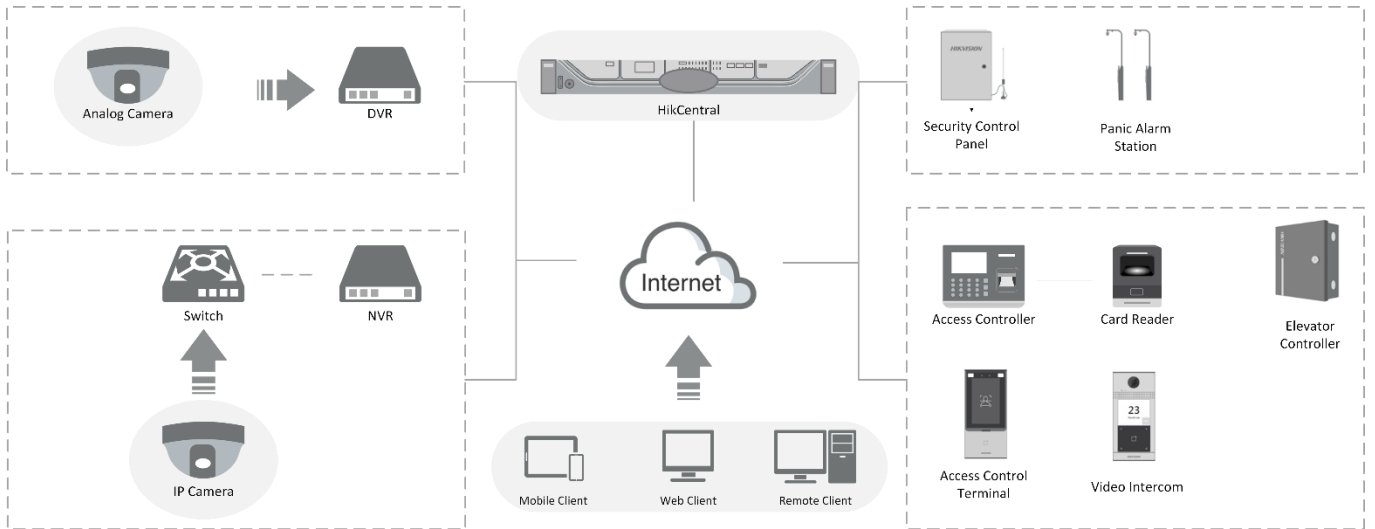
**Note:** By default, the DP to VGA adapter will be provided.

## System Requirement

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

| Feature                      | Description  |
|------------------------------|--|
| <b>OS for Control Client</b> | Microsoft® Windows 10 (64-bit)<br>Microsoft® Windows 8.1 (32/64-bit)<br>Microsoft® Windows 7 SP1 (32/64-bit)<br>Microsoft® Windows Server 2019 (64-bit)<br>Microsoft® Windows Server 2016 (64-bit)<br>Microsoft® Windows Server 2012 (64-bit)<br>Microsoft® Windows Server 2012 R2 (64-bit)<br>Microsoft® Windows Server 2008 R2 SP1 (64-bit)<br><i>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.</i> |
| <b>Browser Version</b>       | Chrome 84 and above<br>Firefox 84 and above<br>Safari 11 and above (running on Mac OS X 10.3/10.4)<br>Internet Explorer 11 and above   |
| <b>Database</b>              | PostgreSQL V9.6.13   |
| <b>OS for Smartphone</b>     | iOS 10.0 and later<br>Android phone OS version 5.0 or later, and dual-core CPU with 1.5 GHz or above, and at least 2G RAM  |
| <b>OS for Tablet</b>         | iOS 10.0 and later<br>Android tablet with Android OS version 5.0 and later   |

## Typical Application



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