

OPTIMUS



Introduction

In a typical large HikCentral Professional project, there are likely to be lots of products/systems from multiple manufacturers. Customers are always looking for a central management platform that can manage all devices and even systems. This is where **Hikvision Optimus Solution** can help your business.



What we offer

Integrate a third-party system with HikCentral Professional via **Optimus Connectors**, providing:

- Centralised management of both Hikvision and third-party devices/resources on HikCentral Professional.
- Third-party events and alarms sent to HikCentral Professional, linking Hikvision camera recording or PTZ preset action.
- Third-party resources manual control on HikCentral Professional control client, or use Hikvision events to trigger third-party resources control.



What is Optimus?

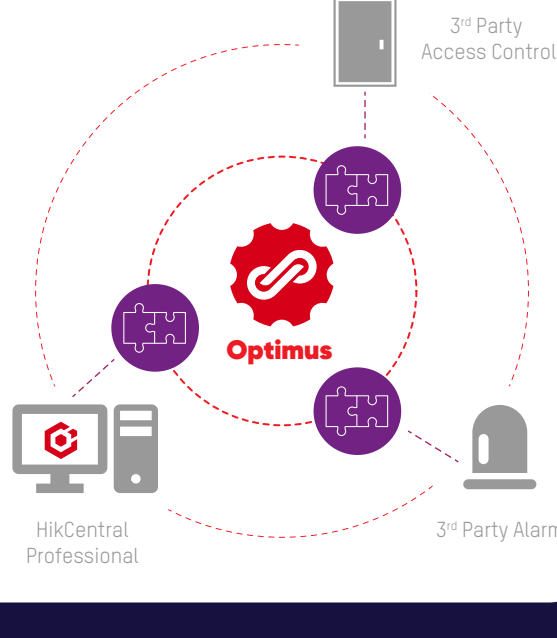
Optimus is a **system-level middleware** product aiming to build up an information bridge between HikCentral Professional and third-party systems.

By using Optimus, third-party resources such as events, alarms, access points can be imported into HikCentral Professional. Additionally, the user could control or create linkages between physical resources across systems.

With Optimus, various types of connectors can be developed, such as:

Access Control

Alarm

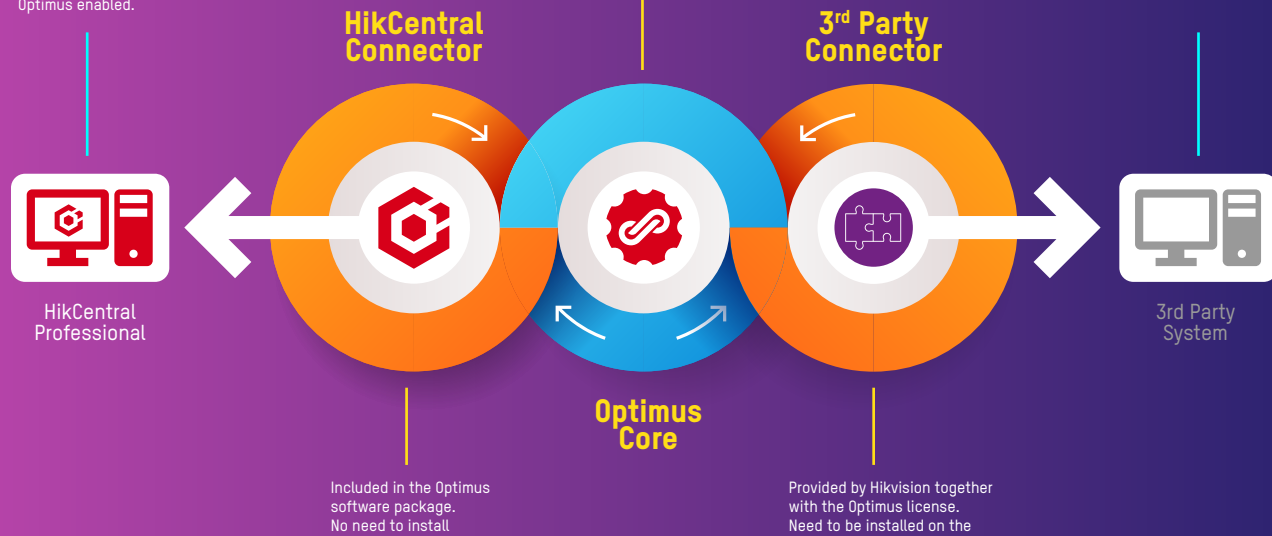


Solution Structure

HikCentral Professional software installed on a physical server. HCP license required.
Transfer protocol HTTPS required. Integrate via Optimus enabled.

Optimus installed on the same server of HikCentral Professional. Separate Optimus license required.

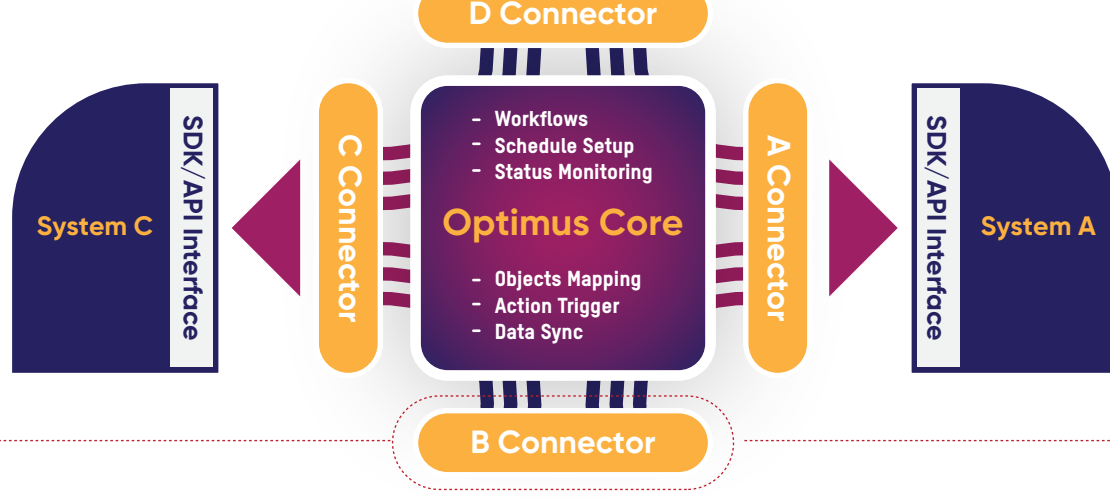
3rd party system, can be software platform or hardware platform.
Need to be able to communicate with the HCP/Optimus server.



Included in the Optimus software package. No need to install separately.

Provided by Hikvision together with the Optimus license. Need to be installed on the HCP/Optimus server.

Core IOT Integration Scenario & Optimus Diagram

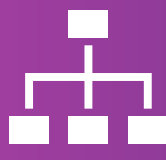


Object Mapping
Maps the selected resources / events / alarms in System A to System C. Allows the user to display, query and operate such objects in System C such as doors of access control system and cameras to Hikvision Cameras, etc.

Action Trigger
Triggers specified events / alarms / actions etc. in System C by specified events/actions (GUI manual triggers) / alarms etc. through Optimus. Allows the user to display and operate, such as determining traffic threshold of the video camera triggering the temperature setting of the air conditioning system via Modbus / BacNet.

Data Sync
Synchronizes the selected data in System A to the database of System C in an adapted format, eg. Synchronizes the face blacklist library in System A to the video system for facial recognition.

Solution Values



Recourse Central Management

Manage both Hikvision and third-party products centrally on HikCentral client's user-defined group and E-map. Operator no longer needs to switch between multiple platforms.



Easy To Use Graphical User Interface

Intuitive and friendly user interface to synchronise resources between two systems and create unique workflow to set up linkages across devices.



Accurate intruder detection

Combine advantages of Hikvision video surveillance detection and a third-party system to provide immediate alarm notifications with video footage for reviewing.

Product Showcase

HikCentral Professional (V2.0 and above)

Hikvision's integrated security software designed to meet versatile security challenges in one platform. Centralised management for video surveillance, access control, alarm, vehicle, business intelligence, commercial display and much more. While protecting people and property, it makes daily operations more efficient, and helps various kinds of users make smarter decisions.



Hikvision Optimus (V1.3.1 and above)

Optimus is a system-level middleware product aiming to build up an information bridge between HikCentral Professional and third-party systems. By using Optimus, third-party resources such as events, alarms, access points can be imported into HikCentral Professional. Additionally, the user can control or create linkages between physical resources across systems.



Third-party Connectors

More Connectors will be developed upon request.

