IndigoVision®
a Motorola Solutions Company

Software Development Kit

The IndigoVision Software Development Kit (SDK) allows software developers to integrate third party applications with the IndigoVision IP Video and Alarm Management System.

- Available to Authorised Partners free of charge, on the IndigoVision Product CD*

- SDK consists of six components:
  - IndigoVision Binding Kit - Integrate events and alarms with third party systems (e.g. access control systems, alarm management systems)
  - Custom Objects - Create new functionality within the Control Center front-end application
  - Control Center Automation Interface - Interact programmatically with the Control Center front-end application
  - IndigoVision Snap - Automatically take snapshots at configurable intervals
  - Control Center Site Database SDK - Create applications that can retrieve information from a Control Center site database
  - Control Center Video SDK* - Integrate video from an IndigoVision system into third party applications

Product Code

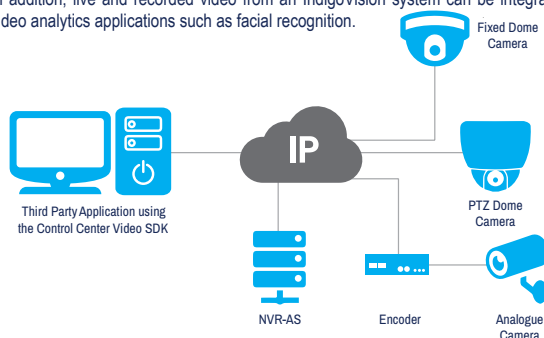| Software Development Kit	
IndigoVision Binding Kit	Included on the IndigoVision Product CD - Control Center - 340003
Custom Objects	
Control Center Automation Interface	
IndigoVision Snap	
Control Center Site Database SDK	
Control Center Video SDK*	Contact your Sales Agent for more information

* Although part of the Software Development Kit the 'Control Center Video SDK' component is not available on the IndigoVision Product CD, this is obtainable by contacting your Sales Agent.

SDK Components

Control Center Video SDK

The IndigoVision Control Center Video SDK provides a high performance way to integrate video from an IndigoVision system into third party application software. The SDK enables live video display, PTZ control, and playback and export of recordings.

The SDK can be used to create GUI applications which display live and recorded video. In addition, live and recorded video from an IndigoVision system can be integrated into server video analytics applications such as facial recognition.

Fixed Dome Camera

Third Party Application using the Control Center Video SDK

PTZ Dome Camera

NVR-AS   Encoder   Analogue Camera

Control Center Site Database SDK

The IndigoVision Control Center Site Database SDK provides access to information held in the Control Center site database, including camera names, credentials and primary NVRs.

Programmers can using this information, for example with the Control Center Video SDK, to stream live video from a camera or recorded video from an NVR.

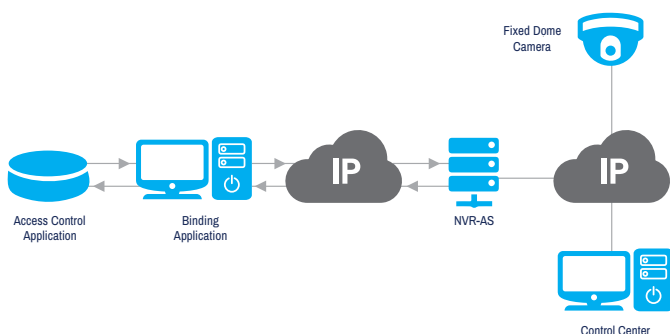Third Party Application using the Site Database SDK

Control Center Site Database

Control Center users created automatically by linking a Control Center user group to a Windows Active Directory user group cannot use this SDK.

IndigoVision Binding Kit

The IndigoVision Binding Kit allows you to integrate two types of external data with the IndigoVision system. The first type is alarm information, for example events from access control or fire alarm systems. The second type is text data from systems such as EPOS or LPR. Both types can be associated with a camera within Control Center. This is useful for reviewing recordings associated with particular events from these third party systems.
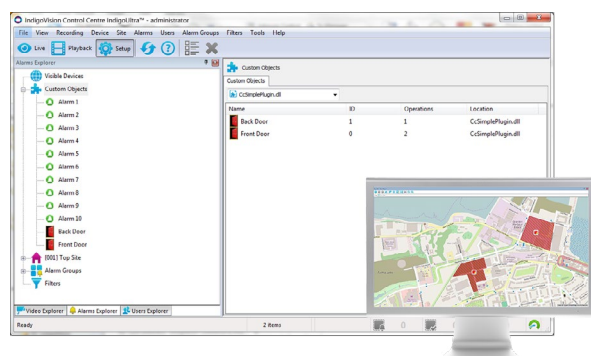
The Binding Kit supports text data at rates up to 1 event per second, with up to 3 million records per NVR-AS making it suitable for a wide range of applications.

Fixed Dome Camera

Access Control Application

Binding Application
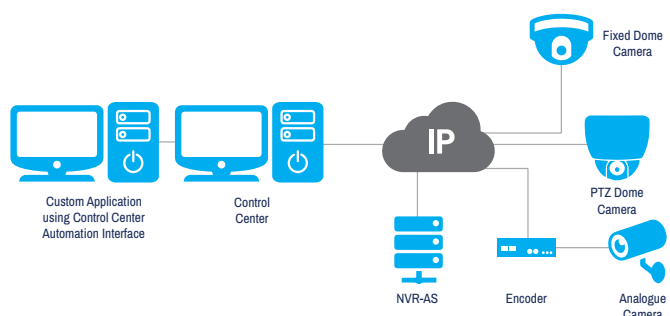
NVR-AS

Control Center

Custom Objects

The IndigoVision Custom Object SDK allows third party developers to integrate objects into Control Center. For example, an integration between Control Center and an access control system could create objects representing doors. The door objects could be controlled within the Control Center front-end application via the mouse and custom menus. In addition, the access control system could refresh the state of a door object by changing its icon automatically.

The Custom Object SDK supports customized icons, menus and actions, and objects can be added to Control Center's device hierarchy and maps.

Control Center Automation Interface

The IndigoVision Control Center Automation Interface is a COM interface that enables external scripts and programs to carry out a number of operations on the Control Center front-end application. These include starting and stopping live video, playing back and exporting recordings and moving PTZ cameras.

Fixed Dome Camera

Custom Application using Control Center Automation Interface

Control Center

PTZ Dome Camera

NVR-AS   Encoder   Analogue Camera

IndigoVision Snap

The IndigoVision Snap utility allows you to take snapshots from a specified IndigoVision device at regular intervals and save them to a destination directory in JPEG format.

Fixed Dome Camera

Private Network

IndigoVision Snap Application

Web Server

Public Network