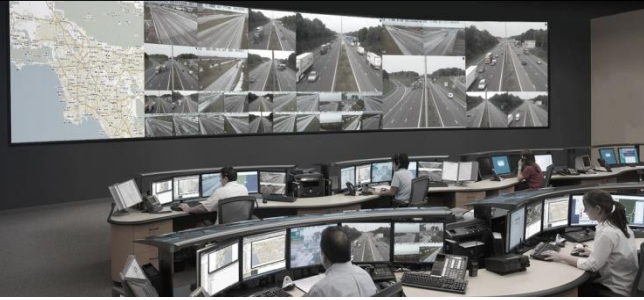


Synectics SynergyPro

20/05/2014 11:45:14



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BB1.0 Document Versions

| Version | Date | Name | Change |
|------------|------------|------|-------------------|
| 1.0 | 2014-05-20 | RS | Document Created. |

BB2.0 Referenced Documents

The following documents provide further detail about the requirements in this driver specification:

| Document | Version | Description |
|--|---------|--|
| Driver Project Requirements (DDK-PR) | 1.0 | The Synectics SynergyPro driver must conform to all the requirements detailed in this document. |
| Driver Connection and Online States Requirements (DDK-DC) | 1.0 | The Synectics SynergyPro driver must conform to all requirements in this document detailed in the section: Device Connection and Online States |
| Driver Video Requirements (DDK-VID) | 1.0 | The Synectics SynergyPro driver must conform to all requirements in this document detailed in the section: Video |

BB3.0 Manufacturer

Name Synectics



Website <http://synecticsuk.com>

Description Synectics designs integrated end-to-end surveillance control systems for the world's most demanding security environments.

BB4.0 IPSecurityCenter Versions

The driver must be compatible with the following IPSecurityCenter versions:

| IPSecurityCenter Version | Supported |
|--------------------------|-------------------------------------|
| 4.8 | <input checked="" type="checkbox"/> |

BB5.0 Operating Systems

BB5.1 Client Side Functionality

| Operating Systems | Supported |
|-------------------|-------------------------------------|
| Windows 7 64 bit | <input checked="" type="checkbox"/> |

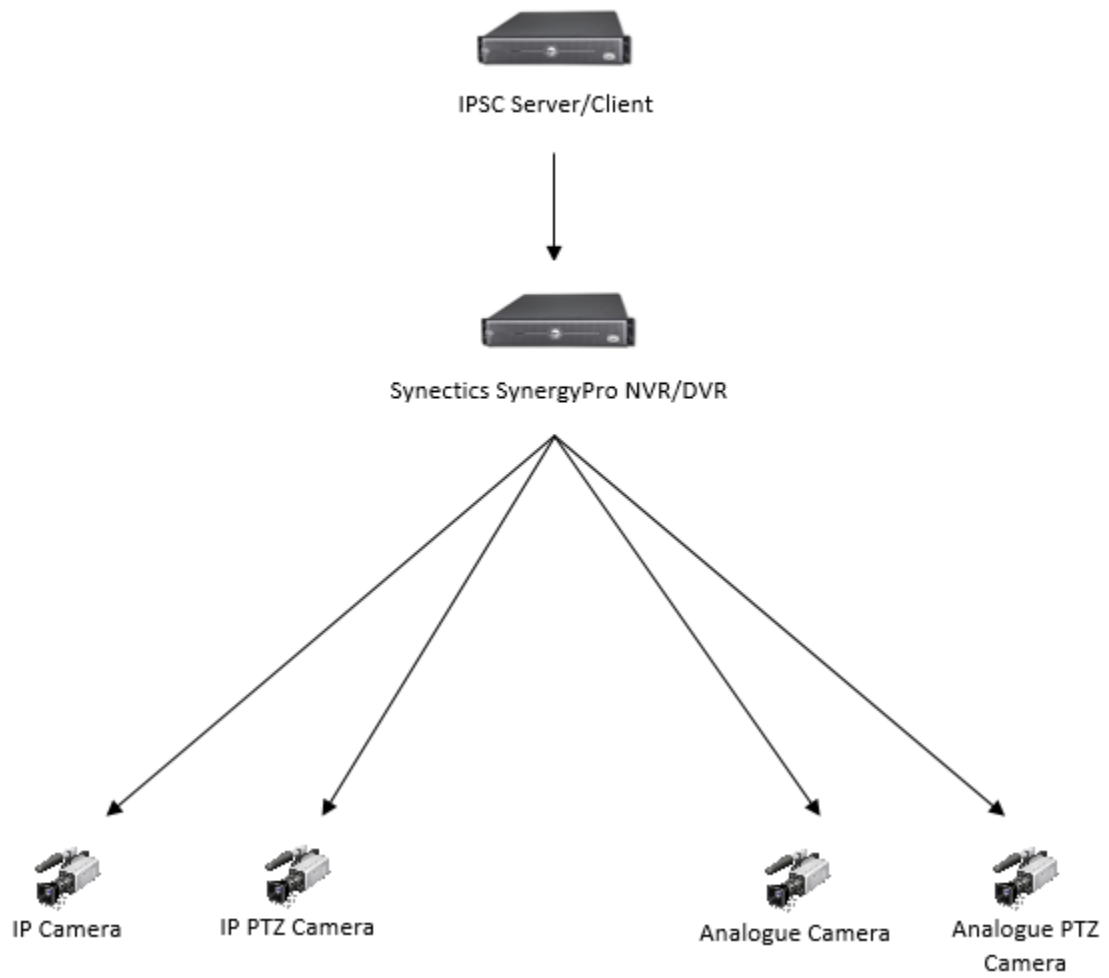
BB5.2 Server Side Functionality

| Operating Systems | Supported |
|------------------------|-------------------------------------|
| Windows Server 2008 R2 | <input checked="" type="checkbox"/> |
| Windows Server 2012 | <input checked="" type="checkbox"/> |

BB6.0 Models / Firmware Versions

| Model | Versions | SDK |
|------------------|----------|----------|
| Synectics | | 1.0.13.0 |

BB7.0 Hardware Configurations



BB8.0 Driver Package

The driver package is named:

CNL.IPSecurityCenter.Driver.Synectics.SynergyPro.Version.[BUILD_VERSION].ipsedriver

BB9.0 Synectics SynergyPro. Features

BB9.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

| Feature | |
|-----------------------------------|-------|
| DC1.0 Device Online Status | Ping |
| DC2.0 Authentication | Basic |

BB10.1 Video

The full requirements for these features can be found in the [Driver Video Requirements](#).

| Feature | |
|-------------------------------|--|
| VID1.0 Camera Population | <input checked="" type="checkbox"/> Query Device |
| VID2.0 Live Video | |
| VID2.1 Display Live Video | <input checked="" type="checkbox"/> |
| VID2.2 Snapshot | <input checked="" type="checkbox"/> |
| VID2.3 PTZ | <input checked="" type="checkbox"/> |
| VID2.4 Set Preset | <input checked="" type="checkbox"/> |
| VID2.5 Get Preset | <input type="checkbox"/> |
| VID3.0 Recorded Video | |
| VID3.1 Display Recorded Video | <input checked="" type="checkbox"/> |
| VID3.2 Seek | <input checked="" type="checkbox"/> |
| VID3.3 Pause | <input checked="" type="checkbox"/> |
| VID3.4 Snapshot | <input checked="" type="checkbox"/> |
| VID3.5 Fast Forward/Rewind | <input checked="" type="checkbox"/> <i>Play Speeds:</i> -16,-8, -4,-2, -1,1, 2,4, 8,16 |
| VID3.6 Slow Motion | <input checked="" type="checkbox"/> <i>Play Speeds:</i> -0.5,-0.4,-0.3,-0.2,-0.1,0,0.1,0.2,0.3,0.4,0.5 |
| VID3.7 Time Bar Population | Assumed Storage |
| VID4.0 Video Export | <input type="checkbox"/> |
| VID5.0 Web Client Support | <input type="checkbox"/> |
| VID6.0 Camera Online States | <input type="checkbox"/> |

BB9.2 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

BB9.3 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

BB9.4 Events

General requirements for events can be found in [Driver Project Requirements](#).

BB10.0 Installation

BB10.1 Prerequisites

Install the SDK on all machines running the following services / software:

- Client
- Video Export Server
- Connection Manager

Additional Configuration details:

- DirectX 9 should be installed on all clients and server.
- The DLL "SynxPlayBack.dll" must be registered on all clients and server (this has to be done everytime the driver is updated as well) which can be found at **C:\ProgramData\CNL Software\IPSecurityCenter\Extracted Packages\CNL.IPSecurityCenter.Driver.Synectics.SynergyPro.Version.[BUILD_VERSION].ipsedriver**
- If the Synectics device uses Windows File Share for recorded video, an empty config file with name "**SynxFSOverride.cfg**" must be created on every server and client at the following location "**c:\synergyii\config**"
- In case of Windows file share for recorded video, the SDK always assumes that the recorded files on the Synectics device are on "**F**" drive.

BB10.2 Driver Installation

- Start the IPSecurityCenter™ client and any supporting services
- Open the Device Driver Manager from the System Configuration
- Click the ***Install*** button
- Select the Synectics SynergyPro Driver Package in the Open file dialog
- Wait for the driver to be uploaded

The driver packages should be listed in the Device Driver Manager.

BB10.3 Device Configuration

Add a Synectics SynergyPro device:

- Right click in a folder (e.g. Devices) in the System Configuration: **New** → **Device On** → **Server**
- Click **Next** on the introduction
- Select **Synectics SynergyPro** in the Available Devices list
- Click **Next** to enter the device details: Enter the Synectics SynergyPro hostname or IP address, the port (use 0 to use the default port), and user name and password if integrated security is not being used.
- Click **Next** and **Finish** to add the device.
- Enable the device to bring it online.

Additional Configuration Details

BB10.4 Driver Compatibility

The following devices are known to be incompatible with the Synectics SynergyPro

| Model |
|-------|
|-------|

BB11.0 Limitations

- Only 16 cameras can be displayed at any one time per client. If all the 16 feeds are used, you need to close all the 16 feeds in order to view video from a different camera (i.e. the count has to be taken to zero).
- If Connection Manager and VCM are running on the same machine, running a dynamic action to select presets using the **“Goto Preset Position”** method on Synectics SynergyPro Camera device will result in the loss of video on a tile (assuming that the live video for the same camera is being displayed on a tile) and the Presets won’t work.
- Video Export is not supported by SDK.
- Displaying camera playback in paused mode from VRP does not work. It is not implemented within the current integration.
- Using calendar control while paused won’t work as expected – the footage jumps to the correct time and the timebar is paused but footage is playing. It is not implemented within the current integration.