

SAVANT KNOWLEDGE

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Security Camera Data Table Overview

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Document Supports: da Vinci 9.1 and Higher

Introduction

This article provides a general overview of the fields and functions of the Security Camera Data Table within RacePoint Blueprint, and provides instructions for completing the data table for IP camera and surveillance system integration. To access the Security Camera Data Table within Blueprint, navigate to Tools > Settings > Security Camera... from the main menu. At least one valid Security Camera service must be generated within the configuration before the data table will become available.

The Security Camera Data Table determines the way in which any integrated security cameras are displayed within the Savant user interface, as well as mapping where (at what IP address and/or port), and how (using which protocol) the Savant Host will communicate with any integrated cameras and surveillance systems.

NOTE: This article supports da Vinci 9.1 and higher Savant software environments. For systems running da Vinci 9.0 and lower, some of the fields and options presented here will not be available, however general data table functionality remains largely the same.

Generating a Security Camera Service

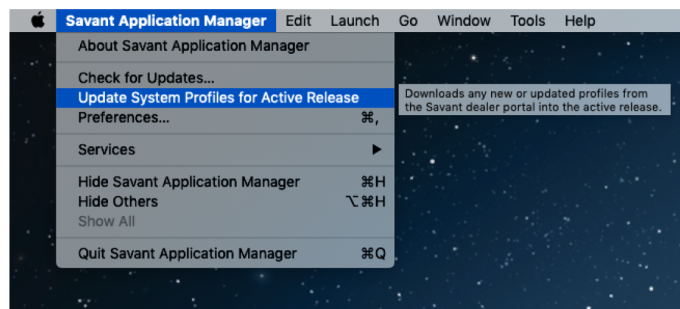
As noted in the introduction above, a valid Security Camera service must be generated within Blueprint before accessing the data table. To generate a Security Camera service, follow the steps outlined below:

1. Within the RacePoint Blueprint configuration for the site, ensure that at minimum a Savant Host and a Network Device have been added to the configuration layout window with a data connection made between them.
2. Select the Show Library option from the quick-access tool bar to open the Component Profile Library.
3. Use the search field to locate the exact make and model of security camera(s) and/or NVR/DVR surveillance systems being integrated on site and add them to the configuration layout.

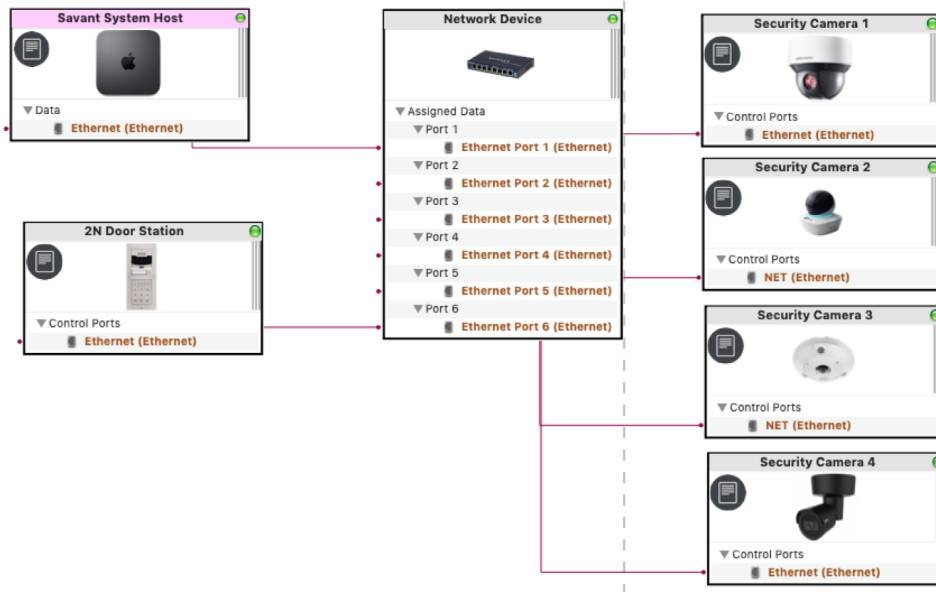
IMPORTANT NOTE!



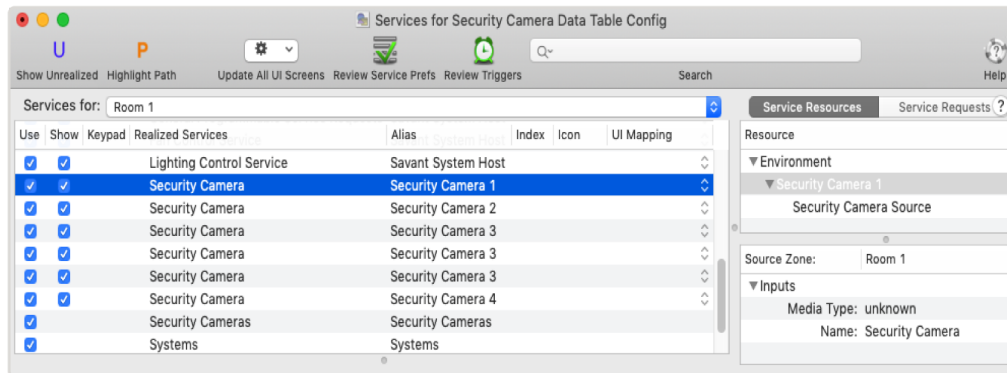
Savant always recommends ensuring that Component Profiles are up to date for the da Vinci software version in use. To check for updates, open **Savant Application Manager (SAM)** and select **Update System Profiles for Active Release** from the main menu as shown below:



4. Make connections between the Network Device and all IP security cameras. An example layout is shown in the image below:



5. Select Generate Services from the top tool bar.
6. Once services have been generated, the View Services window will open automatically. Ensure that a Security Camera service has been created in all relevant zones as shown in the image below:



IMPORTANT NOTE!

When making data connections for any security camera or NVR/DVR surveillance system, the IP address of the device should **NOT** be added to the Host Address field within Inspector for the connection (IP "on the wire"). All addressing for both image access and PTZ control is defined by the relevant field within the Security Camera Data Table (see below).

Populating the Security Camera Data Table

Once at least one valid Security Camera service has been generated, the Security Camera Data Table can be accessed within Blueprint by navigating to Tools > Settings > Security Camera... from the main menu. All source components for which a Security Camera service has been created will be pre-populated as entries in the data table. The image and table below show an example of a fully populated data table, with descriptions of each field and details on how to populate the necessary information.

Camera	Logical Component	IP Address	User Login	Password	Enable H.264
2N Door Station	Security_camera	192.168.1.100	RPM	***	<input checked="" type="checkbox"/>
Security Camera 3	Security_camera_3	192.168.1.103	admin	*****	<input checked="" type="checkbox"/>
Security Camera 3	Security_camera_2	192.168.1.103	admin	*****	<input checked="" type="checkbox"/>
Security Camera 3	Security_camera	192.168.1.103	admin	*****	<input checked="" type="checkbox"/>
Security Camera 2	Security_camera1	192.168.1.102	user1	*****	<input type="checkbox"/>
Security Camera 4	Security_camera	192.168.1.104	johnE	*****	<input type="checkbox"/>
Security Camera 1	Security_camera	192.168.1.101	admin	*****	<input checked="" type="checkbox"/>


?

Cancel Done

- Camera** This field is populated automatically based on service generation, and lists the name of each source device that has generated a Security Camera service as entered when initially placing the component in Blueprint.
- Logical Component** This field is populated automatically based on service generation, and lists the logical component name for each source device, which is automatically assigned by Blueprint at service generation.
- IP Address** This field must be populated manually by the Integrator. Enter the IP address for each camera, making sure to follow any Profile Notes. Some types of cameras with multiple views/streams or NVR/DVR surveillance systems may require a port to be specified in addition to the IP address. In these cases the port should be included in the format of <IP address>:<Port>, for example: 192.168.1.100:22
- User Login** This field must be populated manually by the Integrator. Enter the username configured for camera stream access, making sure to follow any special instructions in the Profile Notes for the specific make/model of camera or NVR/DVR.
- Password** This field must be populated manually by the Integrator. Enter the password configured for camera stream access, making sure to follow any special instructions in the Profile Notes for the specific make/model of camera or NVR/DVR.
- Enable H.264** Check this box to enable support for h.264 camera streams. **Available ONLY with supported Component Profiles.** If the device does not have a Profile which supports h.264 integration with Savant, this checkbox cannot be enabled. Refer to each individual component's Profile Notes for information on h.264 support, as well as any required device-specific configuration details.

Double-click within any text-based field to populate, and select **Done** at the lower right corner of the data table when all fields are completed. Configuration file can then be uploaded to the Host and camera functionality tested.

IMPORTANT NOTE!

 Enabling H.264 for any one component will automatically disable all ability to access JPEG/MJPEG image streams for that device. Retrieval of both h.264 and JPEG/MJPEG image streams from the same component is not supported by Savant, as each format utilizes an entirely different implementation and fetching protocol (http vs. rtsp).

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