Suprema Integration with DW Spectrum ADMINISTRATOR GUIDE

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Introduction

Target Audience

This document describes how to install and configure Suprema Integration with DW Spectrum. It is intended for system setup specialists as well as system administrators. The system administrators require advanced knowledge of the video management system (VMS) and Suprema BioStar 2. Operators require basic knowledge of both systems.

Features

Suprema Integration with DW Spectrum is a middleware that connects BioStar 2 to the VMS. Devices in BioStar 2 can be connected to cameras in the VMS and if events occur on that device, they will be transferred in real-time to the VMS, where they will be connected to recorded videos.

It allows operators to monitor sites with a single user interface and associate access control events with videos. By using bookmarks, you can easily find or retrieve moments in that events occurred.

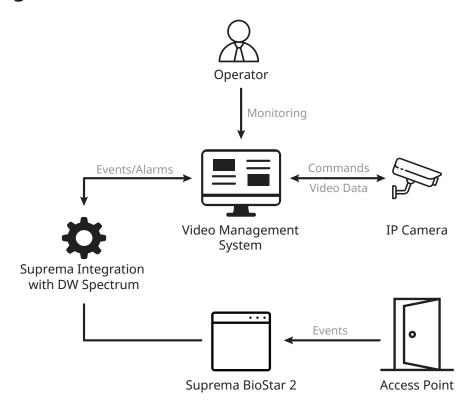
Suprema Integration with DW Spectrum provides the following features.

- Bookmarks on video stream recordings for easy retrieval and playback.
- Event log synchronization in between the VMS and BioStar 2 in real-time.



For more details on the functionality of the VMS, refer to its user manual.

System diagram



Installation

Prerequisites

BioStar 2

BioStar 2 version 2.7.10 or later

Video Management System (VMS)

• Digital Watchdog Spectrum version 4.2 or later

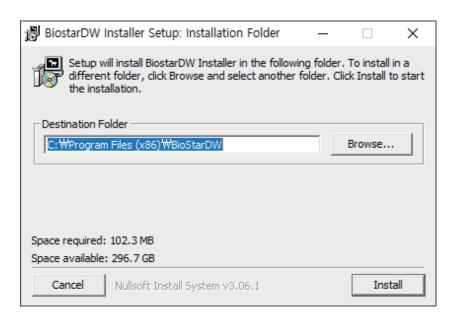
Operating System

- Windows 10 Professional and later (x64)
- Windows Server 2016 and later (x64)

Installing Suprema Integration with DW Spectrum



- Suprema Integration with DW Spectrum can be installed on any computer in the network. However, it is recommended to install Suprema Integration with DW Spectrum on either the BioStar 2 or the VMS server computer.
- This section describes how to install Suprema Integration with DW Spectrum. For more details on the installation of both BioStar 2 and the VMS, refer to its manuals.
- Run the downloaded setup program. (ex. 'DWSpectrum Installer.exe')
- 2 Set a path and click **Install**.



Getting started

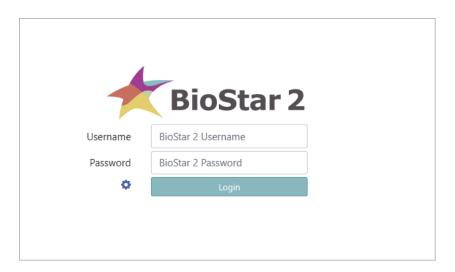
Login

1 Enter https://localhost:5051 in a web browser on the computer where Suprema Integration with DW Spectrum is installed.

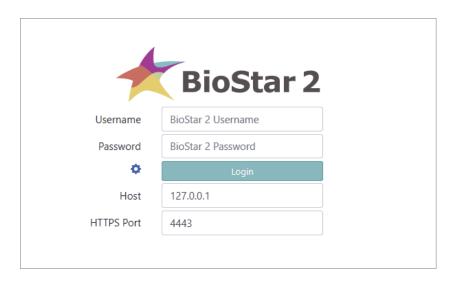


Do not use the IP address or access Suprema Integration with DW Spectrum from another computer.

2 Enter the username and password that you are using in BioStar 2, and then click **Login**.



If the BioStar 2 server is not installed on the local computer or if the default port (443) has been changed, click to access the connection configuration options and input the correct settings.



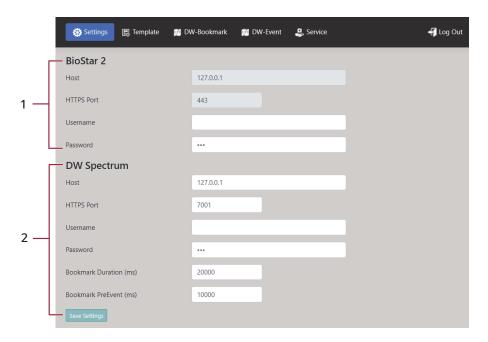
Settings

Settings overview

You can configure settings for connection to BioStar 2 and the VMS server.



If either server is located on a different computer where the integration service is running, make sure that any firewalls or security software is set to allow communication on the ports specified.

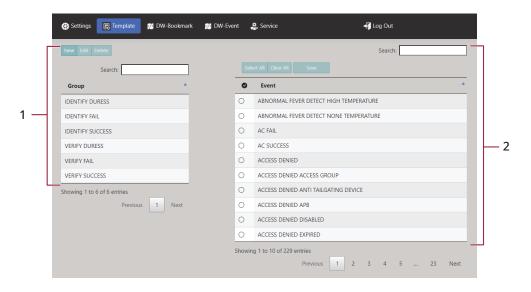


No.	Item	Description
1	BioStar 2	 Host: It indicates the IP address of BioStar 2. HTTPS Port: It indicates the port number that you are using in BioStar 2.
		 It is not possible to modify the BioStar 2 server address and port here. To configure another system, log out and reconnect using the desired connection parameters
		 Username: Enter the operator ID of BioStar 2. Password: Enter the password of BioStar 2.
2	DW Spectrum	 Host: Enter the IP address of the server where the VMS is installed. HTTPS Port: Enter the port number of the VMS. Username: Enter the operator ID of the VMS. Password: Enter the password of the VMS. Bookmark Duration (ms): Enter the duration for Bookmarks created in the VMS (20000 ms = 20 seconds). Bookmark PreEvent (ms): Enter the duration to shift Bookmark starting times relative to the actual event time in BioStar 2 to include a video before the actual event occurs. For example, if the event occurs at 11:40:45, the bookmark will start at 11:40:35 when the Bookmark PreEvent setting is 10000 ms (10000 ms = 10 seconds).

Template

Template overview

You can create a template group with the desired event types or edit existing groups.



No.	Item	Description
1	Group	 New: Create a new template group. Edit: Rename the group name. Delete: Delete the group. Search: Search for groups.
2	Event	 Search: Search for event types. Select All: Select all event types shown on the page. Clear All: Deselect all event types shown on the page. Save: Save the template group.



You can sort the list in ascending or descending by clicking 🕍 or 🔻.

Creating a new template group

- 1 Click New.
- 2 Enter a name for the template group and click **Save**.
- 3 Select the template group created under **Group**.
- 4 Select the desired event types under **Event**.
- 5 Click **Save** to save the template group.

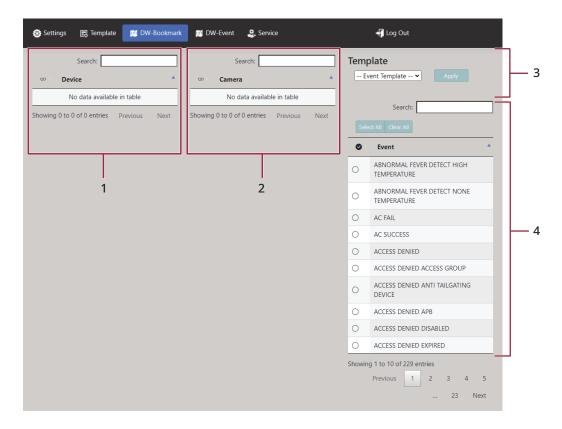
Editing a group template

- 1 Select a template group to edit under **Group**.
- 2 Select or deselect event types under **Event**.
- 3 Click **Save** to save the changes.

DW-Bookmark

DW-Bookmark overview

Bookmarks are video clips in the archive that are marked to make it easy to find and review. You can create bookmarks with event types or a preset template.



No.	Item	Description
1	Device	Search: Search for devices.
2	Camera	Search: Search for cameras.
3	Template	 Template: Select a preset template group. Apply: Save the bookmark settings.
4	Event	 Search: Search for event types. Select All: Select all event types shown on the page. Clear All: Deselect all event types shown on the page.



You can sort the list in ascending or descending by clicking a or ...

Configuring bookmark settings

- 1 Select a device under **Device**.
- 2 Select cameras to connect under **Camera**.



It is recommended to connect up to 15 cameras to one device.

3 Select event types under **Event** or you can select a preset template from the dropdown menu under **Template**.



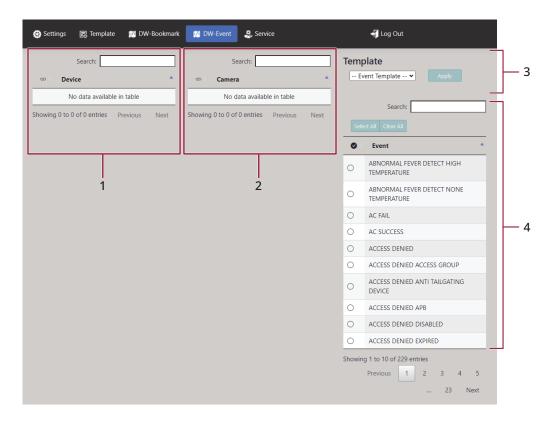
It is recommended to select up to 50 event types per camera.

4 Click **Apply** to save the bookmark. Once the device and the cameras are successfully connected, appears next to their names.

DW-Event

DW-Event overview

Event logs are used to store issues occurred and navigate through past activity.



No.	Item	Description
1	Device	Search: Search for devices.
2	Camera	Search: Search for cameras.
3	Template	 Event Template: Select a preset template group. Apply: Save the event settings.
4	Event	 Search: Search for event types. Select All: Select all event types shown on the page. Clear All: Deselect all event types shown on the page.



Configuring event settings

- 1 Select a device under **Device**.
- **2** Select cameras to connect under **Camera**.



It is recommended to connect up to 15 cameras to one device.

3 Select event types under **Event** or you can select a preset template from the dropdown menu under **Template**.



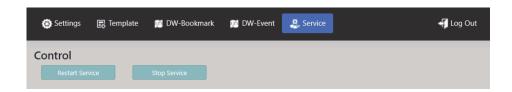
It is recommended to select up to 50 event types per camera.

4 Click **Apply** to save the event. Once the device and the cameras are successfully connected, appears next to their names.

Service

Service overview

You can restart or stop the integration service.



- **Restart Service**: Start or restart Suprema Integration with DW Spectrum.
- **Stop Service**: Stop Suprema Integration with DW Spectrum. The integration will be disabled until the service is started again manually or by rebooting the computer.

Troubleshooting

This troubleshooting provides information to solve unexpected issues that you may encounter when using Suprema Integration with DW Spectrum.

Problem	Solution
The configuration webpage can	Check that the service has been successfully installed and is running.
not be accessed.	 Open service control panel (run: services.msc) and restart 'BiostarDWUI', or reboot the computer.
Devices or cameras are not displayed in the Bookmark/Event	• If devices are not displaying, check the connection settings for BioStar 2.
configuration screen.	If cameras are not displaying, check the connection settings for the VMS.
	• Check that the Integration service is running. Try to restart the service or reboot the computer where the integration service is installed.
No bookmarks or events are	• Check the Bookmark/Event configuration. Make sure the correct event from the correct device is connected to a camera. Try another event type.
created in the VMS when it occurs in BioStar 2.	Check the Bookmark/Event filter in the VMS. The events may be hidden by the filter.
	If the event is being recorded but not displayed, check the bookmark logs and event logs.

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