

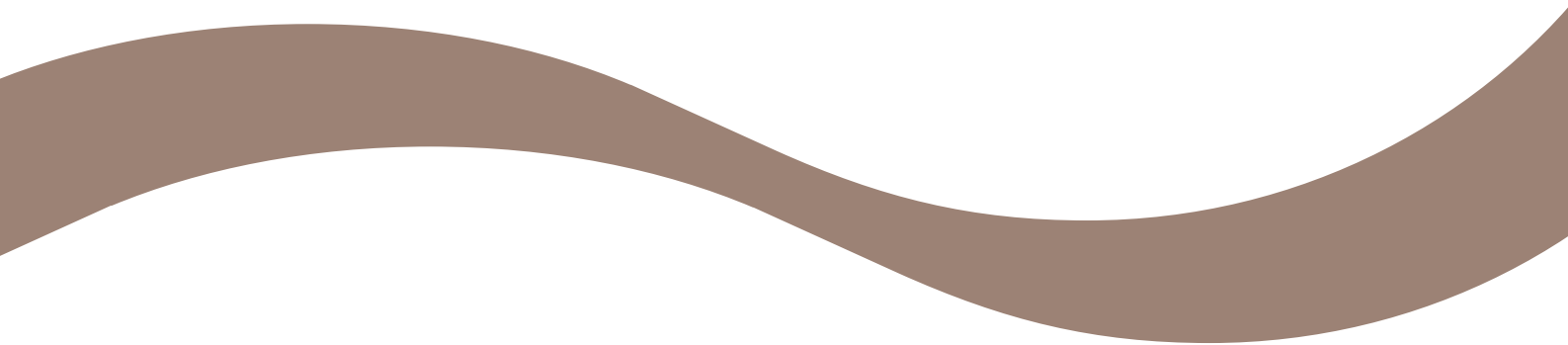


NEW FEATURE GUIDE

BioStar 2.5

English

Version 1.00

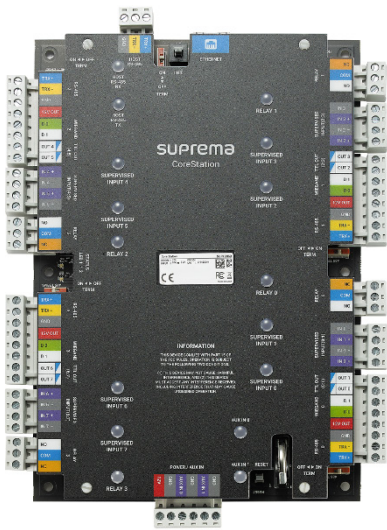


Contents

New Devices	2
CoreStation, the most powerful and versatile controller ever. Two types of solutions supported with BioStar 2.	2
Efficient fingerprint/RF device. BioEntry P2.....	3
Indispensable reader. BioEntry R2	3
Intrusion Detection, Arm, Alarm Intrusion Alarm Zone	4
Event monitoring with a video log from now on Video	5
Tracing all system change history Audit Trail	6
Other Updates	7
Monitoring Improving event search setting, adding a T&A key column	7
System Using HTTPS as the default protocol.....	7
System Setting the password for Admin account in the installation step	8
Device Providing three convenient functions	8
Network connection monitoring of the device, automatic data synchronization	8
Enrollment of a fingerprint using the slave device	8
Firmware upgrade notice	8

- This document provides an explanation for new functions of BioStar 2.5.0.
- For details regarding how to use each function, refer to the BioStar 2 Administrator Manual.

New Devices



CoreStation, the most powerful and versatile controller ever.

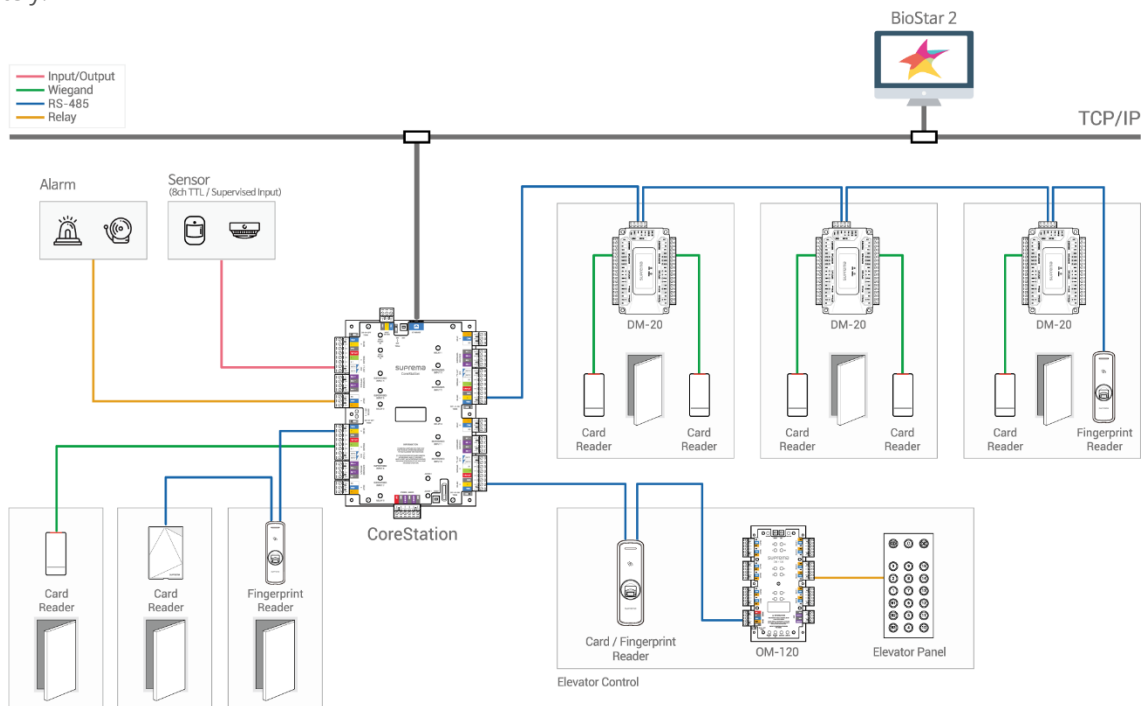
Two types of solutions supported with BioStar 2.

Suprema has been working on ways to integrate the advantages of the distributed access control system and the centralized access control system. As a result, CoreStation was developed. This device can replace the previous centralized access control system perfectly,

CoreStation is an intelligent biometric controller that is able to provide RF card matching and fingerprint matching. It also provides differentiated performances and functions with superior hardware performance and 4 modules that can be set separately.

CoreStation can save the information of up to 500,000 users (1:1) and 1,000,000 fingerprint templates (1:1). A 1.4 GHz octa-core CPU is used, meaning 1:1 fingerprint matching can be carried out 400,000 times a second, and various interfaces including 5 RS-485, 4 Wiegand, 8 Supervised / TTL inputs, 8 TTL outputs and 2 AUX inputs are supported. Further, CoreStation can control 132 Wiegand devices together with DM-20.

When BioStar 2 and CoreStation are linked, the distributed system and the centralized system can be used simultaneously. In other words, CoreStation, configured as the centralized system with the previous distributed access control device, can be set and used, and users of the previous BioStar 2 do not need to introduce a separate solution for the centralized access control system, allowing the user to have a unified experience. In addition, CoreStation also features fingerprint matching, so there is no need to purchase a fingerprint matching module separately.



Efficient fingerprint/RF device. BioEntry P2



BioEntry P2 provides best-in-class performance with a powerful 1.0 GHz CPU and Suprema's newest fingerprint algorithms. It is equipped with multi class RFID recognition function, so various RF cards including EM, HID Prox, MIFARE, iCLASS, DESFire, FeliCa, and NFC can be recognized in one device.

BioEntry P2 can save the information of up to 10,000 users (1:1) and 20,000 fingerprint templates (1:1).

Indispensable reader. BioEntry R2



Much like the BioEntry P2, BioEntry R2 is a fingerprint/RFID reader that only supports the RS-485 interface. This device is equipped with a multi-class RFID function, and can be linked with CoreStation or other manufacturer's devices with the RS-485 protocol using OSDP, instead of Wiegand.

It can read all existing RF cards including EM, HID Prox, MIFARE, iCLASS, DESFire, FeliCa, and NFC at a reasonable price and with excellent performance. In addition, BioEntry R2 is the highest-performing fingerprint/RFID reader that can be used together with CoreStation, helping clients establish a cost-efficient system.

Intrusion Detection, Arm, Alarm | Intrusion Alarm Zone

The intrusion alarm zone is a function to monitor and detect unauthorized entrance into a house, office or building. BioStar 2 is designed to set the intrusion alarm zone by door and process an alarm for intrusion detection and/or various other events.

Information

Name:

Type:

Configuration

Mode: Local

Door: * The sensor of this door can be used as detecting intrusion.

Active/Inactive: Active

Arm / Disarm Setting

Delay Time: Arm s Disarm s

Access Card:

Card Type	Card ID	
CSN	ID: 122505...	

Access Group:

Arm/Disarm Setting (Device):

Device	Door	Entry / Exit	Arm Type	Input Type	
BioEntry P2 541150084 (192.168.14.118)	Door 1	Entry	Arm Only	Card	
Wiegand Reader 0 (1614891908)	Door 1	Exit	Disarm Only	Card	

Arm/Disarm Setting (Input):

Device / Input	Arm Type	Summary	
			<input type="button" value="+ Add"/>

Intrusion Setting

Detect Intrusion:

Device / Input	Summary	
Input Port 1 of BioEntry P2 541150084 (192.168.14.118) Device	N/O, 100ms	

Alarm

Configuration:

Event	Action	
Intrusion alarm violation	Alert Sound	BioEntry P2 541150084 (192.168.14.118)

[Intrusion alarm zone setting screen]

Note

- AC Standard license is required.
- BioStar 2.5.0 only supports a local intrusion alarm zone.

Event monitoring with a video log from now on | Video

A video log can be used in more diverse environments than an image log saved as a single image, and it is more suitable for monitoring important security events such as intrusion detection, forced door open, and the disconnection of devices.

Now, you can set NVR and IP camera and save a video log in BioStar 2. BioStar 2's video log links various access control events occurred at the door with IP camera. When an event occurs, a video log will be saved in NVR.

The screenshot shows the configuration interface for an IP camera. It includes the following fields and sections:

- General Settings:**
 - ID: 720000002
 - Name: IPC
 - IP: 10.1.1.129
 - Log Type: Video (dropdown)
 - Channel: 2
- Video Log Setting:**
 - Start recording: 3 secs before an event
 - End recording: 3 secs after an event
- Event:**
 - Door: Door (dropdown)
 - Event table:

			+ Add
Intrusion alarm input	Always		
Device Disconnection Detected	Always		

[IP camera setting screen]

! Note

- AC Standard license is required.
- NVR manufacturers supported by BioStar 2.5.0 are ACTi, Dahua and Hikvision.

Tracing all system change history | Audit Trail

BioStar 2 supports various filter settings to save and view all system change history events in BioStar 2 at a glance.

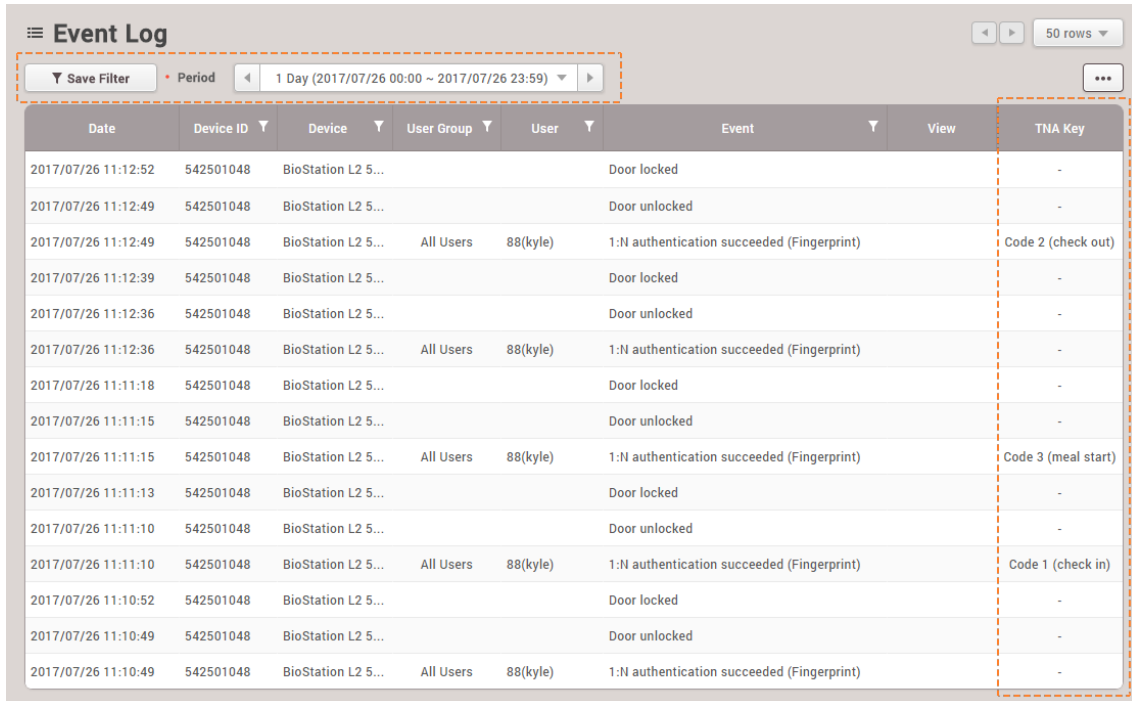
Datetime	User	Operator Level	IP	Category	Target	Action	Modification
2017/08/01 13:36:29	Administrator(1)	Administrator(1)	192.168.14.34	Preference		Add	
2017/08/01 11:09:51	Administrator(1)	Administrator(1)	192.168.14.34	Alert	Device Discon...	Update	
2017/08/01 11:09:38	Administrator(1)	Administrator(1)	192.168.14.34	System		Action	Login
2017/08/01 11:00:20	Administrator(1)	Administrator(1)	192.168.14.34	System		Action	Login
2017/08/01 10:58:11	Administrator(1)	Administrator(1)	192.168.14.34	User	User 1(80)	Update	Access Groups
2017/08/01 10:57:24	Administrator(1)	Administrator(1)	192.168.14.34	User	User 1(80)	Add	
2017/08/01 10:56:10	Administrator(1)	Administrator(1)	192.168.14.34	Card	(4276710323)	Add	
2017/08/01 10:53:55	Administrator(1)	Administrator(1)	192.168.14.34	Device	BioLiteNet 538...	Add	
2017/08/01 10:53:36	Administrator(1)	Administrator(1)	192.168.14.34	Device	CoreStation 40...	Add	
2017/08/01 10:53:10	Administrator(1)	Administrator(1)	192.168.14.34	Access G...	AG 1	Add	
2017/08/01 10:52:59	Administrator(1)	Administrator(1)	192.168.14.34	Access L...	AL 1	Add	
2017/08/01 10:52:46	Administrator(1)	Administrator(1)	192.168.14.34	Door	Door 1	Add	
2017/08/01 10:52:27	Administrator(1)	Administrator(1)	192.168.14.34	Device	BioStation L2 ...	Action	Discover Wiegand De...
2017/08/01 10:52:27	Administrator(1)	Administrator(1)	192.168.14.34	Device	Wiegand Read...	Add	

[Audit trail screen]

Other Updates

Monitoring | Improving event search setting, adding a T&A key column

Now, you can set a period and sort logs on the event log screen. You can also view T&A key information on the event log or real-time log screen.



The screenshot shows the 'Event Log' interface. At the top, there is a search filter 'Save Filter' and a period selector set to '1 Day (2017/07/26 00:00 ~ 2017/07/26 23:59)'. Below this is a table with the following columns: Date, Device ID, Device, User Group, User, Event, View, and TNA Key. The table contains 15 rows of event data.

Date	Device ID	Device	User Group	User	Event	View	TNA Key
2017/07/26 11:12:52	542501048	BioStation L2 5...			Door locked		-
2017/07/26 11:12:49	542501048	BioStation L2 5...			Door unlocked		-
2017/07/26 11:12:49	542501048	BioStation L2 5...	All Users	88(kyle)	1:N authentication succeeded (Fingerprint)		Code 2 (check out)
2017/07/26 11:12:39	542501048	BioStation L2 5...			Door locked		-
2017/07/26 11:12:36	542501048	BioStation L2 5...			Door unlocked		-
2017/07/26 11:12:36	542501048	BioStation L2 5...	All Users	88(kyle)	1:N authentication succeeded (Fingerprint)		-
2017/07/26 11:11:18	542501048	BioStation L2 5...			Door locked		-
2017/07/26 11:11:15	542501048	BioStation L2 5...			Door unlocked		-
2017/07/26 11:11:15	542501048	BioStation L2 5...	All Users	88(kyle)	1:N authentication succeeded (Fingerprint)		Code 3 (meal start)
2017/07/26 11:11:13	542501048	BioStation L2 5...			Door locked		-
2017/07/26 11:11:10	542501048	BioStation L2 5...			Door unlocked		-
2017/07/26 11:11:10	542501048	BioStation L2 5...	All Users	88(kyle)	1:N authentication succeeded (Fingerprint)		Code 1 (check in)
2017/07/26 11:10:52	542501048	BioStation L2 5...			Door locked		-
2017/07/26 11:10:49	542501048	BioStation L2 5...			Door unlocked		-
2017/07/26 11:10:49	542501048	BioStation L2 5...	All Users	88(kyle)	1:N authentication succeeded (Fingerprint)		-

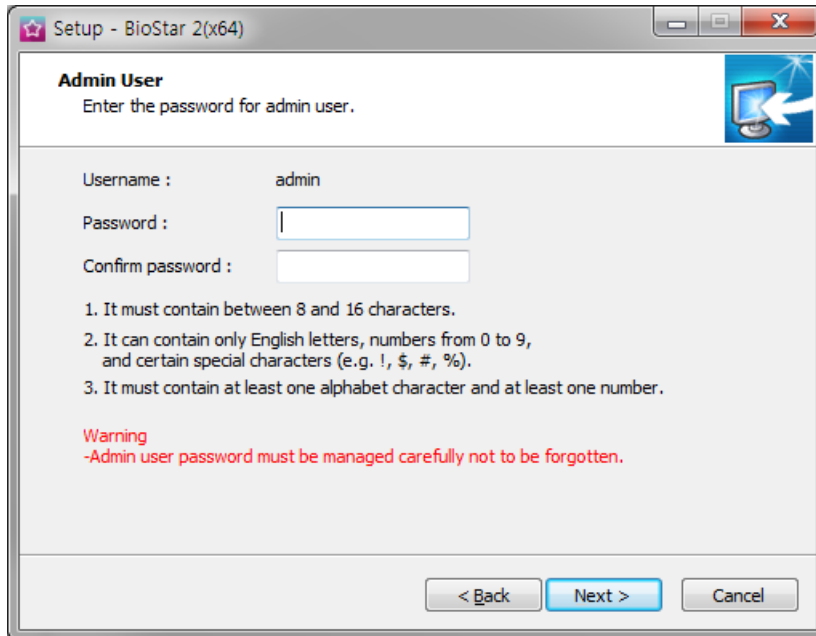
System | Using HTTPS as the default protocol



Beginning from BioStar 2.5.0, HTTPS has been used as the default communication protocol. You can still HTTP as before but we recommend to use it for reinforcing the security.

System | Setting the password for Admin account in the installation step

In BioStar 2.5.0, the password for Admin account must be entered in the installation step. After that, you do not need to change the password.



Device | Providing three convenient functions

Network connection monitoring of the device, automatic data synchronization

If the TCP/IP connection with the device is terminated, BioStar 2.5.0 informs the administrator in order to take the appropriate measures. If the device is reconnected to TCP/IP, the user information is synchronized with BioStar 2 automatically.

Enrollment of a fingerprint using the slave device

Now, you can enroll a fingerprint and register an RF card from the master device as well as the slave device.

Firmware upgrade notice

If the firmware version of the device is outdated and needs to be upgraded, BioStar 2 will notify it automatically.



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