

Suprema Webinar

BioStar 2 New Features v2.8.4 to v2.8.9

Speaker

Laney Lee

Technical Support Engineer | Suprema

Date : Dec 16, 2020

Time : 4:00 PM (GMT+9) Seoul, Korea

Recommended Level / Recommend Attendee

Intermediate Technical Sales of Suprema products, Intermediate Technical Engineers of Suprema products

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7. Major Bug Fixes
8. Q&A

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Introduction

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❖ How can you find Webinar Contents?

1) Email

- ✓ After this webinar, Suprema Team will provide the presentation and the recorded video file to the registered emails. It will take 5 days after reviewing the files with including Q&A list.

2) Website (Suprema Technical Support Site)

- ✓ After this webinar, you can also find the information with including Q&A list to the below site.
Search **Suprema Webinar** in the site, OR simply google it.
- ✓ <https://support.supremainc.com>



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3) SNS Channel & YouTube

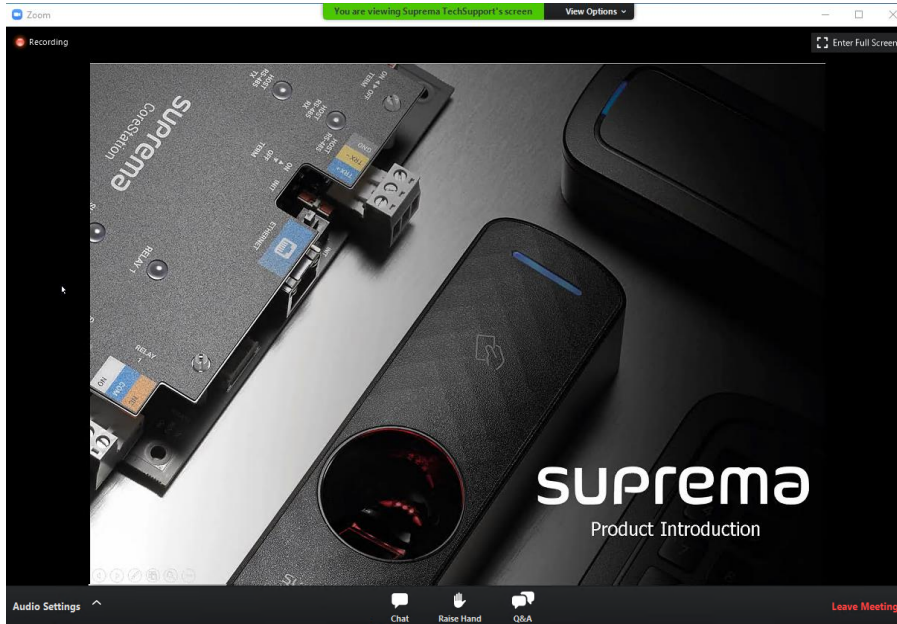
- ✓ Plus, we will post the recorded video to YouTube, Facebook, and LinkedIn.
(Simply search it on each site)

The screenshot shows the 'SUPREMA Technical Support' website. At the top, there's a navigation bar with links: Home, Solutions, Forums, Tickets. Below this is a search bar with the text 'How can we help you today?' and a 'SEARCH' button. The search results show a link to 'Suprema Webinar_01 : All about CoreStation'. The page content includes the title '[CoreStation] All about CoreStation', the creator 'Created by: Kate Yu', and the modification date 'Modified on: Sun, Apr 19, 2020 at 9:25 PM'. The main text describes CoreStation as Suprema's Intelligent Biometric Controller, highlighting its features like 4-door access control, compatibility with various credentials, and ease of setup. It also mentions that the webinar covers details about the system and provides a link to download the presentation file.

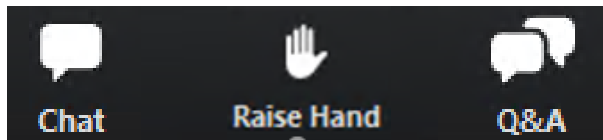
Introduction

❖ How can you ask questions during a webinar?

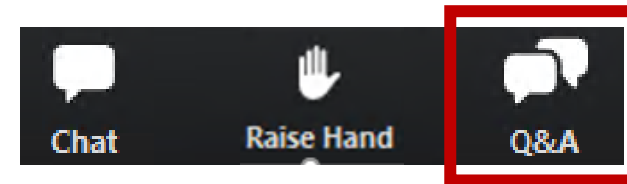
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Mouse over to the bottom of your screen, then 3 icons will appear.



1) [Q&A] Box for leaving your question

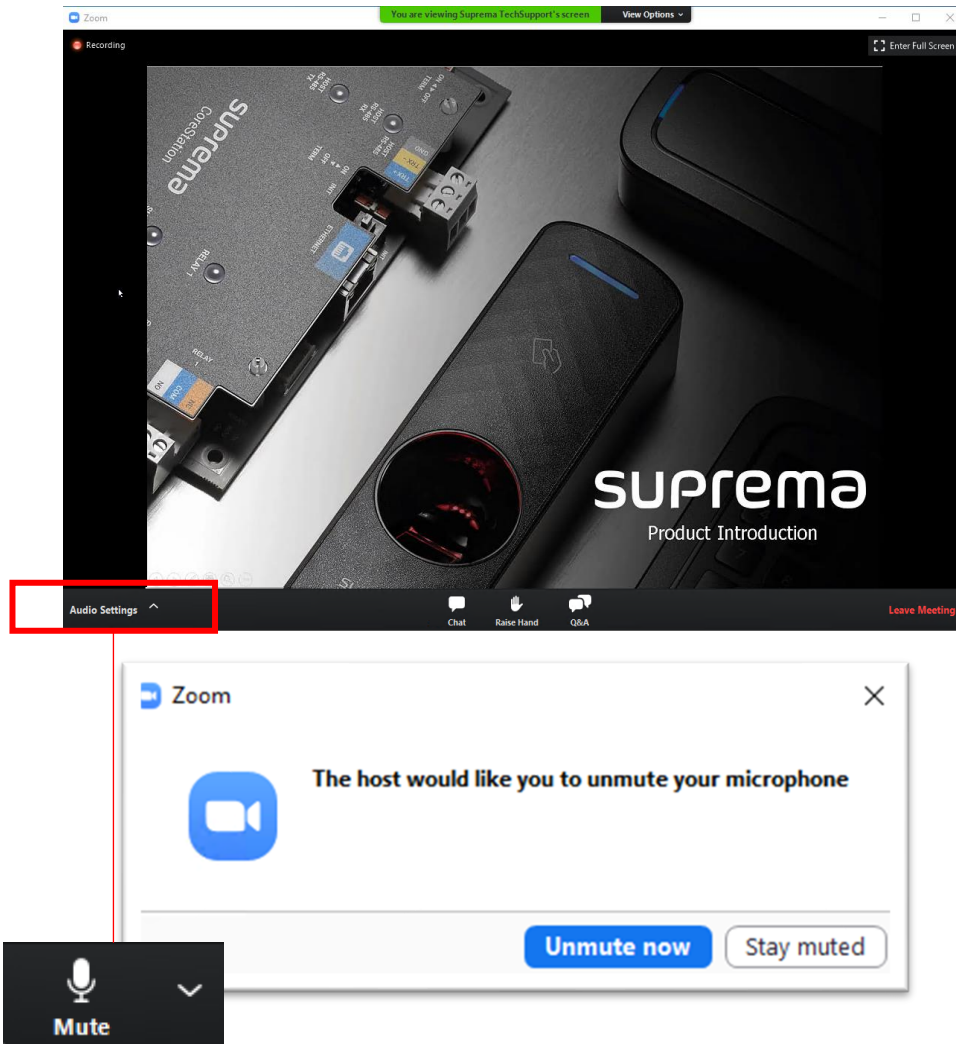


- ✓ During the webinar, you can leave your questions on the **Q&A box anytime.** Suprema agents will answer in real time.

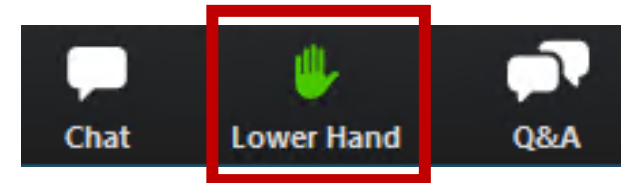
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2) [Raise Hand] for Question Session



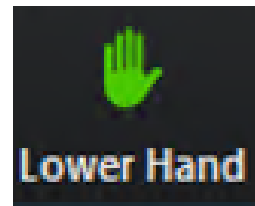
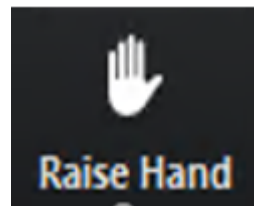
Please click on [Raise Hand] on the menu bar if you have any questions. The color will turn to Green.

Host will unmute your microphone and you will be able to unmute your microphone at the time.

❖ How can you ask questions during a webinar?

Notification: Q&A Session

- ✓ During the presentation, we will have Q&A session to make the interactive webinar.
- ✓ You can leave your questions on the **Q&A box**.
- ✓ Or you can raise your hand from the menu bar, and you will be able to **unmute your microphone** once the host confirms your sign from the Attendee's list.
- ✓ ***When you speak through a microphone**, please **tell us your name** and then **the question**. We will answer one by one, so please kindly wait for your turn.*



BioStar 2 v2.8.4

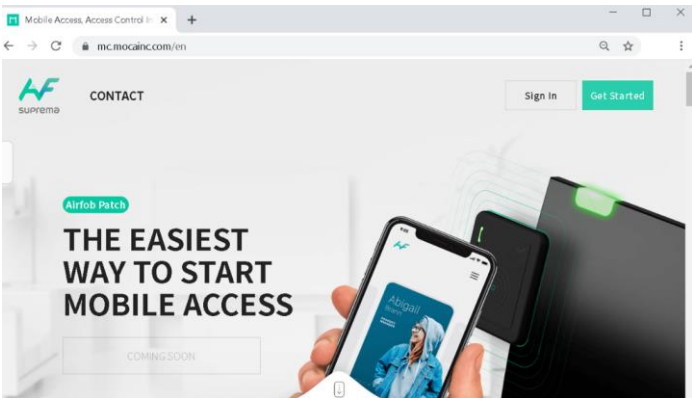
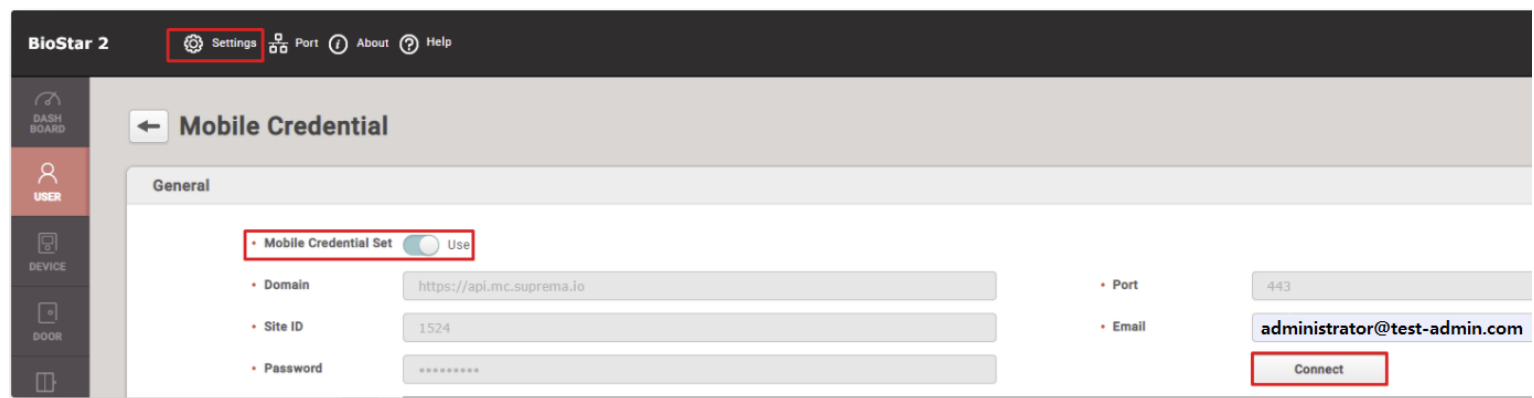
New Features in BioStar 2 v2.8.4

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Issuing Suprema Mobile Access Cards via BioStar 2 User CSV Import

- For the case which requires registering users' multiple cards at once.

Step 1> Go to BioStar 2 > Settings > Mobile Credential and connect with your Site which you created in Airfob Portal.



Step 2> Create a CSV file which has user information.

user_id	name	phone	email	user_group	start_datetime	expiry_datetime	csn	mobile_access_card
1	Administrator			All Users	1/1/2001 0:00	12/31/2030 23:59		
2	Test User 2		test@bbbbbbbbbb.com	All Users	1/1/2001 0:00	12/31/2030 23:59	2	
3	Test User 3		test@aaaaaaaaaa.com	All Users	1/1/2001 0:00	12/31/2030 23:59	3	333
4	Test User 4		jhlee2@suprema.co.kr	All Users	1/1/2001 0:00	12/31/2030 23:59		4
5	Test User 5			All Users	1/1/2001 0:00	12/31/2030 23:59	5	
6	Test User 6		test@ccccccccc.com	All Users	1/1/2001 0:00	12/31/2030 23:59		6666

New Features in BioStar 2 v2.8.4

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Issuing Suprema Mobile Access Cards via BioStar 2 User CSV Import

Step 3 > Import User CSV file in BioStar 2 > Users according to the following steps.

The process involves the following steps:

- Click on the **CSV Import** option in the menu.
- Select the CSV file (e.g., **User_20200624T113547**) and click **Open**.
- In the **CSV Import** dialog, set **File Import** to the correct path and **Start import at row** to 2. Click **Next**.
- In the **CSV Import** dialog, select the **csn_mobile** field and click **Next**.

File Name	Created	Format	Size
User_20200624T113547	6/24/2020 11:39 AM	Microsoft Excel C...	1 KB
User_20200619T103411	6/24/2020 11:09 AM	Microsoft Excel C...	1 KB
User_20200602T134756	6/2/2020 1:47 PM	Microsoft Excel C...	1 KB

CSV Import Dialog Fields:

- File Import: C:\fakepath\User_202006...
- Start import at row: 2
- Next button

CSV Import Dialog Fields (Field Selection):

- phone
- email
- user_group
- start_datetime
- expiry_datetime
- csn
- csn_mobile**
- 26 bit SIA Standard...
- HID 37 bit-H10302
- HID 37 bit-H10304
- HID Corporate 1000
- HID Corporate 100...
- When the same User If:
 - ☒ Preserve data
 - ☐ Overwrite

Buttons: Back, Next, Close

New Features in BioStar 2 v2.8.4

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Issuing Suprema Mobile Access Cards via BioStar 2 User CSV Import

Step 4> Check your Airfob Portal, then you can find the total number of credits has been decreased.

Before importing CSV file

License

Credit Status

Credit

48

Maintenance Credit

0

After importing CSV file

All Users

	ID	Name	Email		
<input type="checkbox"/>	1	Administrator	-	All Users	0
<input type="checkbox"/>	2	Test User 2	test@bbbbbbbbb.com	All Users	1
<input type="checkbox"/>	3	Test User 3	test@aaaaaaaaa.com	All Users	2
<input type="checkbox"/>	4	Test User 4	jhl2e2@suprema.co.kr	All Users	1
<input type="checkbox"/>	5	Test User 5	-	All Users	1
<input type="checkbox"/>	6	Test User 6	test@ccccccccc.com	All Users	1

License

Credit Status


Credit

47

Maintenance Credit

0

* License Check : <https://mc.mocainc.com/sitemanager/site/license>

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<https://support.supremainc.com/en/support/solutions/articles/24000057011>

Improvements of BioStar 2 New Local API of BioStar v2.8.4

- Updated API descriptions and phrases. **POST** /api/users, **POST** /api/elevators
- Disabled filters for users who have not accessed the system for a long time when outputting a new API list.
- Support adding blacklist card. **POST** /api/cards/blacklist
- Added an API to release the locked status of the device. **POST** /api/devices/unlock
- Improved the problem when specifying a user ID upon creating a user group by using **POST** /api/user_groups.
- Fixed an issue where when uploading a user profile picture via API, the picture is cut off when the picture is large. **PUT** /api/users

New Features in BioStar 2 v2.8.4

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Allowed device filtering in the MONITORING menu upon accessing it as a custom level administrator

- Improvements to the changes made in BioStar 2.6.3.

The screenshot displays the BioStar 2 Event Log interface. At the top right, a user profile for 'Laney' is shown with a 'Logout' button. A red box highlights this area with the label 'Custom Level User'. Below the header, the 'Event Log' section is visible, featuring a 'Save Filter' button and a 'Period' dropdown set to '1 Day(s) (2020/08/07 00:00 ~ 2020/08/07 23:59)'. A table of events is shown with columns for Date, Door, Device ID, User, Event, and View. A red box highlights the 'Device ID' column header with the label 'Allow Device Filtering'. A modal dialog box titled 'Device ID' is open, showing a search input field and a list of device IDs. The device ID '547232457' is selected, indicated by a checkmark. The dialog has 'Add Condition' and 'Cancel' buttons.

Date	Door	Device ID	User	Event	View
2020/08/07 14:18:30		547232457			
2020/08/07 14:06:29		547232457			
2020/08/07 14:06:29		547232457			
2020/08/07 14:06:29		547232457			
2020/08/07 14:06:28		547232457			

BioStar 2 v2.8.5

New Features in BioStar 2 v2.8.5

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Supports Wiegand devices as a time and attendance management device.

- Support adding Wiegand devices as a TA device in BioStar 2 TA Registered Device list.
- **NOT** support **T&A Key** and **TA Setting** on Wiegand devices.

The screenshot shows the BioStar 2 web interface. The sidebar on the left contains navigation links: DASH BOARD, USER, DEVICE (highlighted), DOOR, ELEVATOR, ZONE, ACCESS CONTROL, MONITORING, VIDEO, TIME ATTENDANCE, and VISITOR. The main content area is titled 'All Devices' and features a table of registered devices. The table has columns for Device ID, Name, Group, Device Type (Master/Slave), IP Address, Device Status, and Firmware S... The table lists several devices, including BioLite N2, BioStation L2, Wiegand Reader 0, and Xpass D2. The interface also includes search bars and a 'Go' button.

Device ID	Name	Group	Device Type (Master/Slave)	IP Address	Device Status	Firmware S...
545407296	BioLite N2 545407296 (19...	All Devices	BioLite N2	192.168.8.21	Normal	
540084005	BioStation L2 540084005 ...	All Devices	BioStation L2	192.168.8.40	Normal	
1613825829	Wiegand Reader 0 (16138...	All Devices	IO Device		Normal	
1619149120	Wiegand Reader 0 (16191...	All Devices	IO Device		Normal	
865689328	Xpass D2 865689328	All Devices	Xpass D2		Normal	

<https://support.supremainc.com/en/support/solutions/articles/24000059293--biostar-2-supports-wiegand-devices-as-a-ta-management-device>

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Improvement to allow users with general user permissions to update own TA reports.

- User-level users can check their latest TA report when they login BioStar 2 by clicking 'Update Report' icon.

1) Check you are user-level user.



← User Level user

Information

• Name: User Level user

• ID: 2

• Group: All Users

• Period: 2001/01/01 00:00

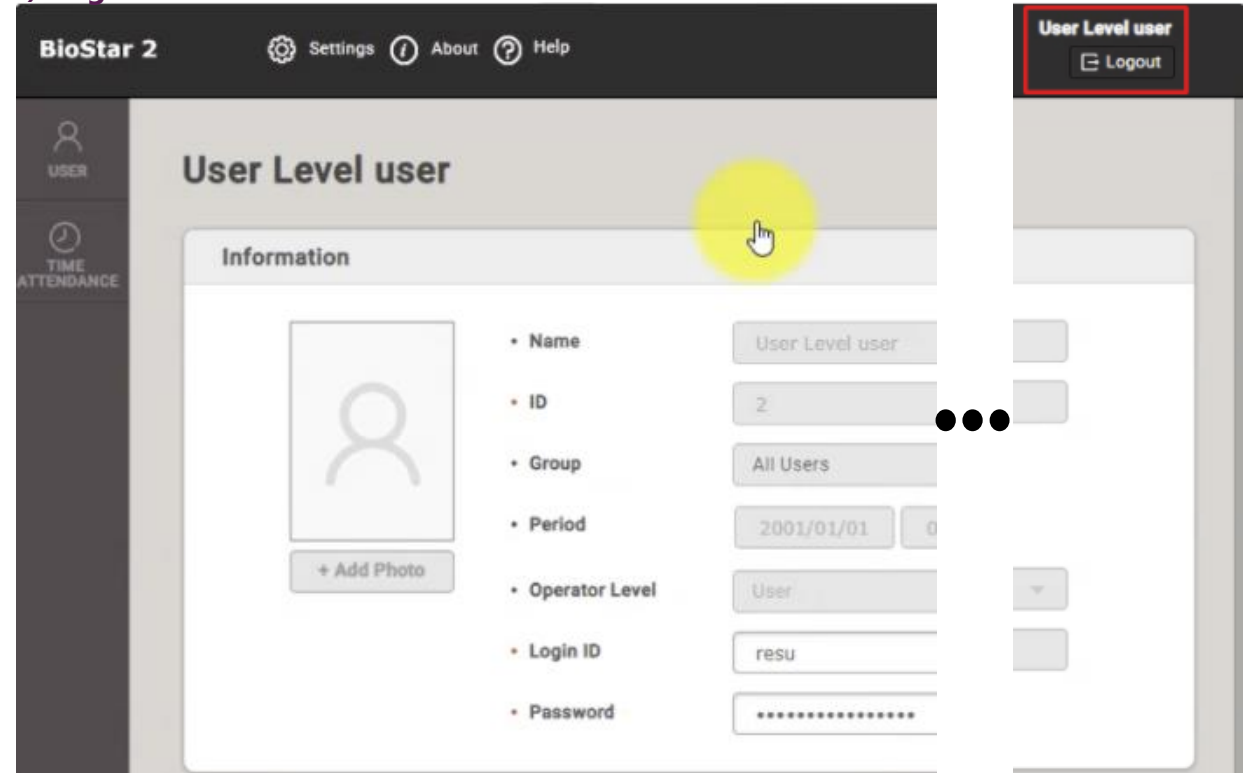
• Operator Level: **User**

• Login ID: resu

• Password:

+ Add Photo

2) Login BioStar 2 with a user-level user's account.



BioStar 2 Settings About Help

USER

TIME ATTENDANCE

User Level user

Information

• Name: User Level user

• ID: 2

• Group: All Users

• Period: 2001/01/01 00:00

• Operator Level: User

• Login ID: resu

• Password:

+ Add Photo

User Level user Logout

New Features in BioStar 2 v2.8.5

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Improvement to allow users with general user permissions to update own TA reports.

3) By clicking 'Update Report' icon, the user-level user can check updated TA report.

Update Report

CSV Export

PDF Export

Individual Report

1 / 1

50 rows

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular hours	Overtime hours	Total Work Ho...
User Level user ...									6:02:56	0:00:00	6:52:56
2020/08/26	User Level user	2	All Users	Sample - Fixed	-	07:10:00	14:02:56	Early Out	6:02:56	0:00:00	6:52:56

Update Report

CSV Export

PDF Export

Individual Report

1 / 1

50 rows

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular hours	Overtime hours	Total Work Ho...
User Level user ...									6:03:55	0:00:00	6:53:55
2020/08/26	User Level user	2	All Users	Sample - Fixed	-	07:10:00	14:03:55	Early Out	6:03:55	0:00:00	6:53:55

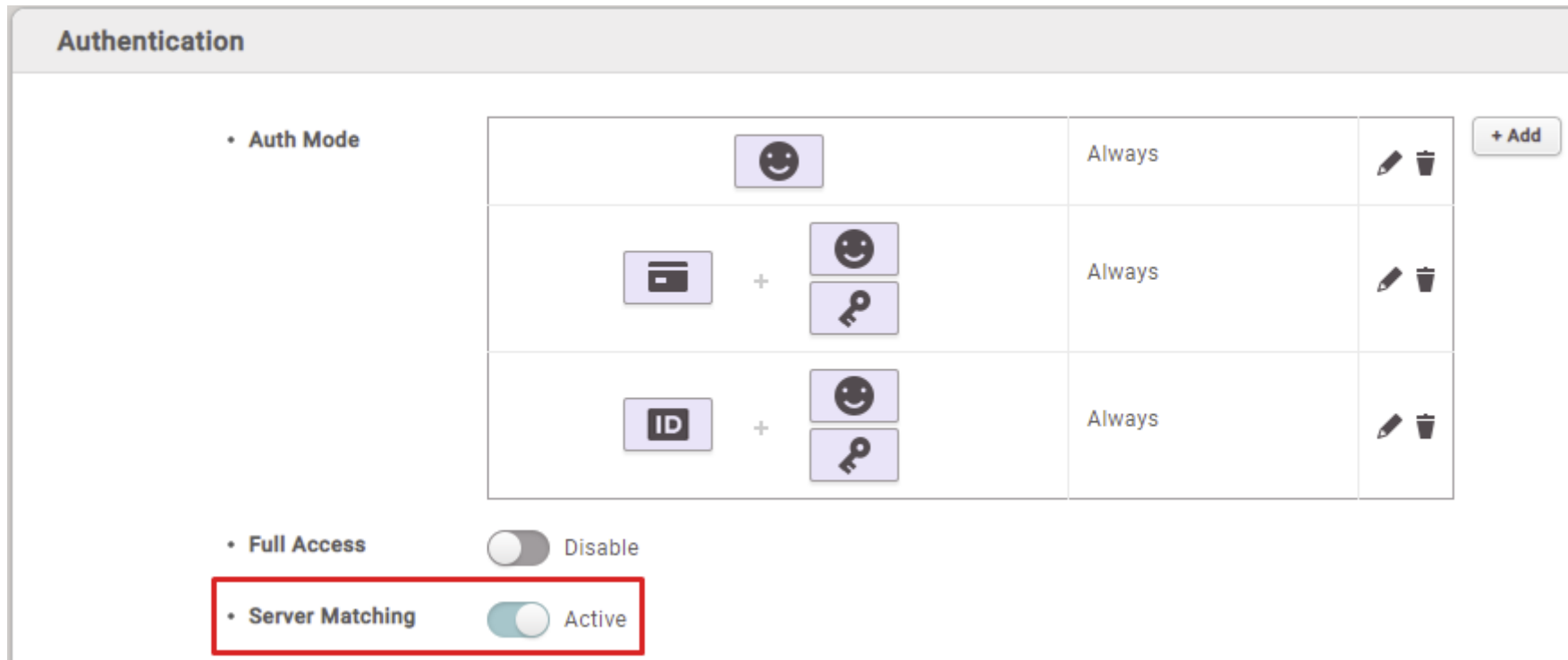
BioStar 2 v2.8.6

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Supports "Face" server matching for face recognition devices

- **ONLY** for FaceStation 2; firmware v1.4.0 or above.
- FaceStation F2 and FaceLite do **NOT** support.



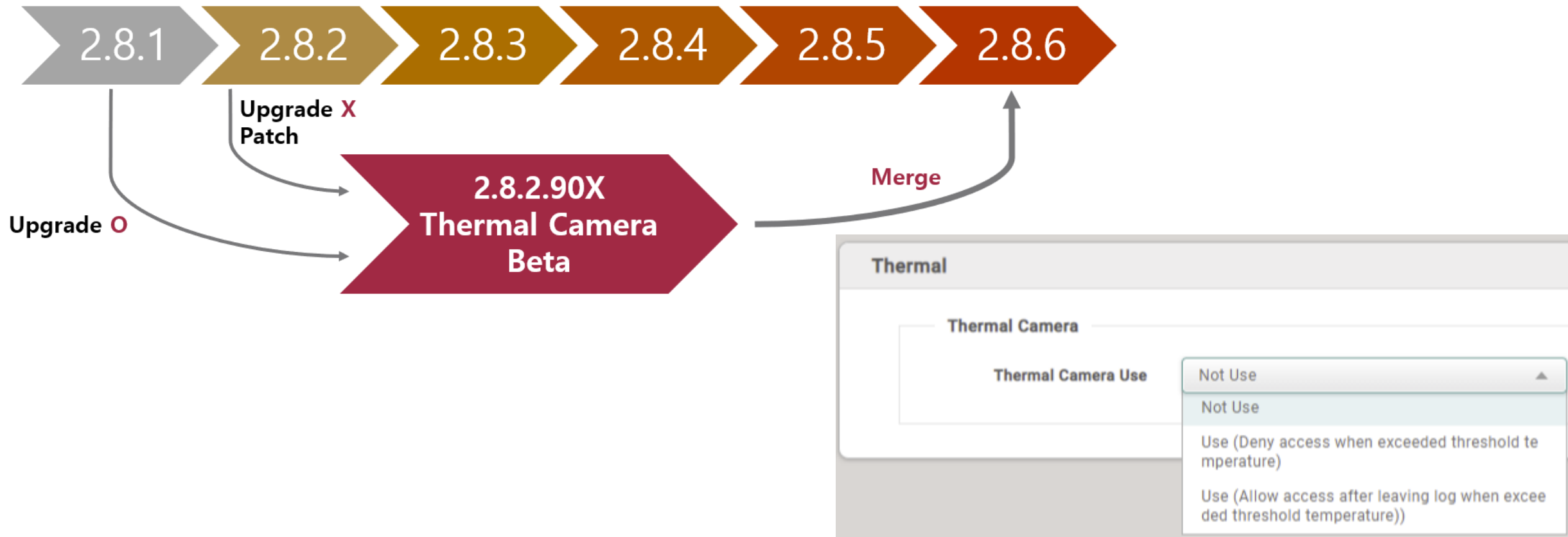
<https://support.supremainc.com/en/support/solutions/articles/24000060144--biostar-2-biostar-2-8-6-new-features-and-configuration-guide>

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Supports thermal camera on face recognition devices.

- **FOR** FaceStation 2 and FaceStation F2



<https://support.supremainc.com/en/support/solutions/articles/24000060144--biostar-2-biostar-2-8-6-new-features-and-configuration-guide>

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Supports the new devices

- **FaceStation F2** : Fusion multimodal terminal for face recognition.
- **BioEntry W2 (Rev 2)** : Supports Suprema Mobile Access via NFC and BLE.



- BEW2 OLD Hardware

Category	Feature	Specification
Credential	Biometric	Fingerprint
	RF Option	<ul style="list-style-type: none">• BEW2-OHP: 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa, <u>NFC</u>• BEW2-ODP: 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa, <u>NFC</u>• BEW2-OAP: 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa, iCLASS SE/SR/Seos, <u>NFC</u>

- BEW2 NEW Hardware

Category	Feature	Specification
Credential	Biometric	Fingerprint
	RF Option	<ul style="list-style-type: none">• BEW2-OHPB: 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa• BEW2-ODPB: 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa• BEW2-OAPB: 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa, iCLASS SE/SR/Seos
		<ul style="list-style-type: none">• <u>Supported</u>
		<ul style="list-style-type: none">• <u>Supported</u>

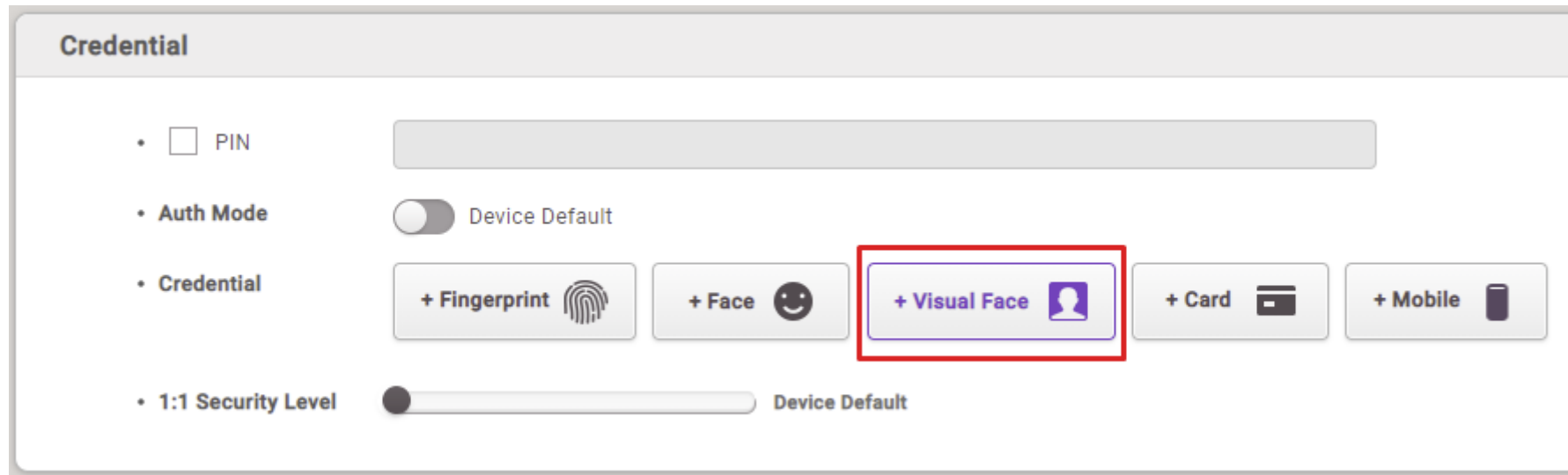
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Supports Visual Face (FaceStation F2)

- **CAN** enroll via BioStar 2, Device menu, and Mobile.
- Support **TWO** images per person.
- Support **JPG, JPEG, PNG, minimum 250 X 250 and maximum 10MB.**
- FaceStation F2 templates are **NOT** compatible with FaceStation 2 and FaceLite.



<https://support.supremainc.com/en/support/solutions/articles/24000060147>

New Features in BioStar 2 v2.8.6

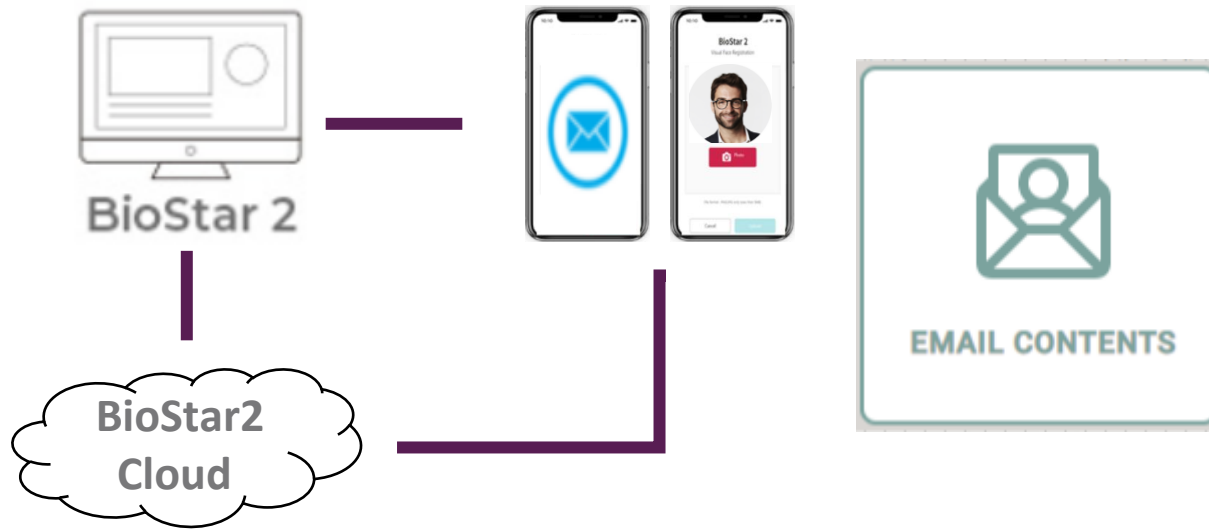
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How to enroll Visual Face via Visual Face Mobile Enrollment

- As it operates based on the BioStar 2 Cloud service, a **BioStar 2 AC Standard or higher license is required.**

Step 1 > Activate **BioStar 2 Cloud service.**

Step 2 > Go to '**BioStar 2 > Settings > Email Contents**' and fill out the contents to deliver with a Visual Face enrollment link.



The screenshot shows the 'Email Contents' settings interface for BioStar 2.8.6. The title bar at the top says 'Email Contents' and 'BioStar 2.8.6'. Below the title bar, the section 'Email Contents Setting' is visible. It contains several fields and buttons:

- Email Title:** A text input field.
- Email Body:** A large text area for composing the email body.
- Email Signature:** A text input field.
- SMTP Setting:** A button labeled 'SMTP setting'.
- Test Mail Recipient Address:** A text input field.
- Send Email:** A button with an envelope icon and the text 'Send Email'.

<https://support.supremainc.com/en/support/solutions/articles/24000060147>

How to enroll Visual Face via Visual Face Mobile Enrollment

Step 3> Configure **SMTP** setting and check via **Test Mail Recipient Address** feature.

If all configuration is done, click '**Apply**' button to save.

• Test Mail Recipient Address

SMTP Option

Sender Information

- SMTP Server Name
- Description
- Server Address
- Port(default:25)
- User Name
- Password
- Security Type
- Sender

<https://support.supremainc.com/en/support/solutions/articles/24000060147>

New Features in BioStar 2 v2.8.6

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How to enroll Visual Face via Visual Face Mobile Enrollment

Step 4> Add users to BioStar 2 with email information.

← Visual Face Test User

Information

• Name: Visual Face Test User

• ID: 2

• Group: All Users

• Period: 2001/01/01 00:00 ~ 2030/12/31 23:59

• Operator Level: None

• User IP:

• Email: visualtest@test.com

• Telephone:

• Status: Active

• Access Group: Test Access Group

+ Add Photo

Step 5> Select users who you want to send the link of visual face mobile enrollment.

<https://support.supremainc.com/en/support/solutions/articles/24000060147>

New Features in BioStar 2 v2.8.6

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How to enroll Visual Face via Visual Face Mobile Enrollment

Step 6> Click the 'Send Visual Face Mobile Enrollment Link' button.

All Users

1 / 1

50 rows

Go

Transfer To Device

Delete From Device

Delete User

...

<input type="checkbox"/>	ID	Name	Email	Group	Access Group			
<input type="checkbox"/>	1	Administrator	-	All Users	Test Access Group	0	0	
<input checked="" type="checkbox"/>	2	Visual Face Test User	visualtest@test.com	All Users	Test Access Group	0	0	
<input type="checkbox"/>	3	Test User A	-	All Users	Test Access Group	0	0	
<input type="checkbox"/>	4	Test MusterZone Watcher	-	All Users	Test Access Group	0	0	

Print

Column Setting

CSV Export

CSV Import

Data File Export

Data File Import

Send Visual Face Mobile Enrollment Link

Step 7> Take a picture of a user on a mobile device, such as a cell phone, tablet PC, etc.

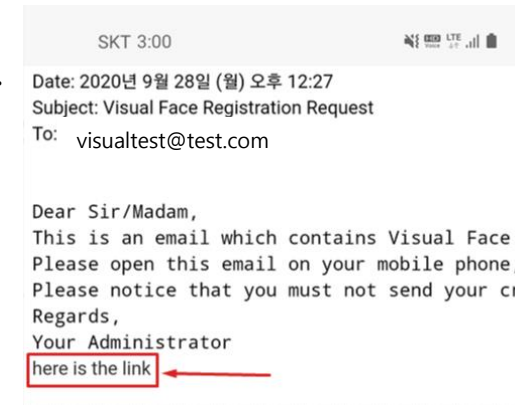
<https://support.supremainc.com/en/support/solutions/articles/24000060147>

New Features in BioStar 2 v2.8.6

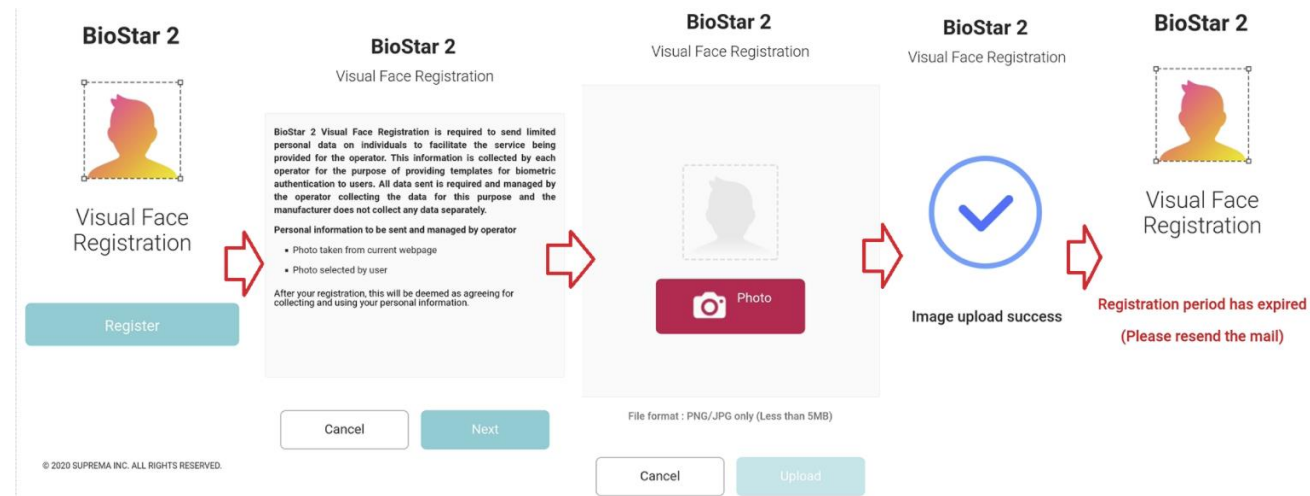
1. Introduction | 2. BioStar 2 v2.8.4 | 3. BioStar 2 v2.8.5 | 4. BioStar 2 v2.8.6 | 5. BioStar 2 v2.8.8 | 6. BioStar 2 v2.8.9 | 7. Bug Fixes | 8. Q&A

How to enroll Visual Face via Visual Face Mobile Enrollment

Step 8> Click the link received by email on the mobile device with your photo.
The link will expire after 24 hours.



Step 9> Register the visual face credentials according to the indication until you get the final screen.



<https://support.supremainc.com/en/support/solutions/articles/24000060147>

BioStar 2 v2.8.8









New Features in BioStar 2 v2.8.8

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Supports batch registration of Visual Face using CSV import

- For cases which requires registering Visual Face credentials at once by uploading user pictures based on the users' face pictures already possessed by the administrator.
- **CAN** upload maximum **2** images per user.
- Support **JPG, JPEG** and **PNG** format and **size between minimum 250 x 250 to maximum 10MB**.
- Recommend to use the **SAME** path for CSV file and visual face images to be uploaded.

Step 1> Move all the photos to be registered as user Visual Face images to one folder

Name	Date	Type	Size	Tags
 Ana1	10/20/2020 4:14 PM	PNG File	95 KB	
 Jessi1	10/20/2020 4:14 PM	PNG File	99 KB	
 Pat1	10/20/2020 4:14 PM	PNG File	79 KB	
 Sam1	10/20/2020 4:13 PM	PNG File	87 KB	
 Sam2	10/20/2020 4:13 PM	PNG File	95 KB	
 Untitled	10/20/2020 4:47 PM	PNG File	51 KB	
 User_20201020T161524	10/20/2020 4:35 PM	Microsoft Excel C...	1 KB	
 User_20201020T162031	10/20/2020 4:44 PM	Microsoft Excel C...	1 KB	

<https://support.supremainc.com/en/support/solutions/articles/24000060688--biostar-2-supports-batch-registration-of-visual-face-using-csv-import>

New Features in BioStar 2 v2.8.8

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Supports batch registration of Visual Face using CSV import

Step 2> Open a CSV editor or text editor to create a CSV file to be imported from BioStar 2.

user_id	name	phone	email	user_group	start_datetime	expiry_datetime	csn	access_on_card	csn_mobile	face_image_file1	face_image_file2
1	Administrator			All Users	1/1/2001 0:00	12/31/2030 23:59					
2	Test User A		jhlee2@	All Users	1/1/2001 0:00	12/31/2030 23:59		2-Feb	1.60275E+14		
3	Jessica			All Users	1/1/2001 0:00	12/31/2030 23:59	2153867595			Jessi1.png	
4	Ana			All Users	1/1/2001 0:00	12/31/2030 23:59				Ana1.png	
5	Patrick			All Users	1/1/2001 0:00	12/31/2030 23:59				Pat1.png	

Step 3> Select CSV Import from BioStar 2> Users.

All Users

1 / 1

50 rows

Go

ID

Name

Email

Group

Access Group

☐

1

Administrator

-

All Users

-

0

0

☐

2

Test User A

jhlee2@suprema.co.kr

All Users

-

1

0

☐

3

Jessica

-

All Users

-

0

0

...

Print

Column Setting

CSV Export

CSV Import

Data File Export

Data File Import

Send Visual Face Mobile Enrollment Link

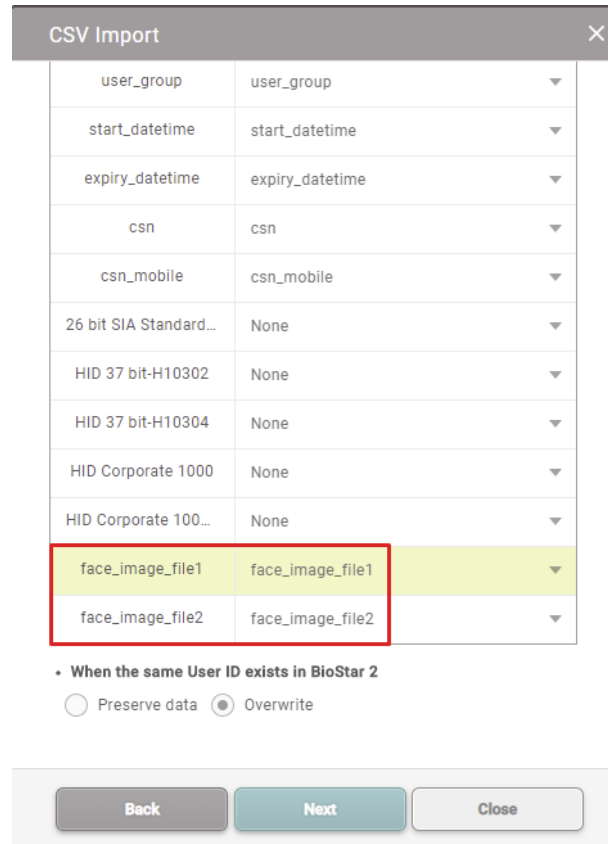
<https://support.supremainc.com/en/support/solutions/articles/24000060688--biostar-2-supports-batch-registration-of-visual-face-using-csv-import>

New Features in BioStar 2 v2.8.8

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Supports batch registration of Visual Face using CSV import

Step 4> Check that the column names in the CSV file you created match well. The Visual Face template is located at the bottom.



CSV Import	
user_group	user_group
start_datetime	start_datetime
expiry_datetime	expiry_datetime
csn	csn
csn_mobile	csn_mobile
26 bit SIA Standard...	None
HID 37 bit-H10302	None
HID 37 bit-H10304	None
HID Corporate 1000	None
HID Corporate 100...	None
face_image_file1	face_image_file1
face_image_file2	face_image_file2

• When the same User ID exists in BioStar 2

☐ Preserve data ☒ Overwrite

Back Next Close

<https://support.supremainc.com/en/support/solutions/articles/24000060688--biostar-2-supports-batch-registration-of-visual-face-using-csv-import>

New Features in BioStar 2 v2.8.8

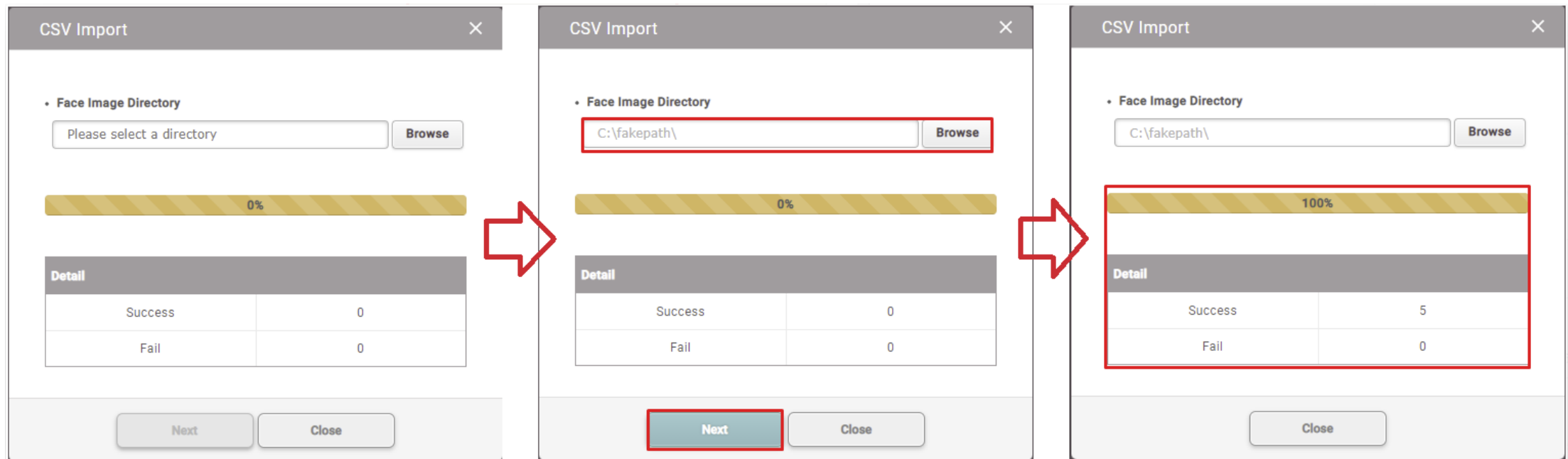
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Supports batch registration of Visual Face using CSV import

Step 5> If you proceed with CSV Import, you will see the directory setting window for uploading Visual Face images.

Step 6> When Directory setup is complete, the **Next** icon becomes active.

Step 7> Click the **Next** icon to check the CSV Import result.



<https://support.supremainc.com/en/support/solutions/articles/24000060688--biostar-2-supports-batch-registration-of-visual-face-using-csv-import>

New Features in BioStar 2 v2.8.8

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Supports batch registration of Visual Face using CSV import

Step 8> When Visual Face image registration is complete, you can see that the credential has increased.

All Users

1

/

1

50 rows

Go

<div><div></div><div></div></div>	ID	Name	Email	Group	Access Group					Status
<input type="checkbox"/>	1	Administrator	-	All Users	-	0	0	0	0	-
<input type="checkbox"/>	2	Test User A	jhlee2@suprema.co.kr	All Users	-	1	0	0	1	-
<input type="checkbox"/>	3	Jessica	-	All Users	-	0	0	1	1	-
<input type="checkbox"/>	4	Ana	-	All Users	-	0	0	1	0	-
<input type="checkbox"/>	5	Patrick	-	All Users	-	0	0	1	0	-

<https://support.supremainc.com/en/support/solutions/articles/24000060688--biostar-2-supports-batch-registration-of-visual-face-using-csv-import>

New Features in BioStar 2 v2.8.8

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The temperature indicator was added to notification emails

- **CAN** check temperature data in BioStar 2's Trigger & Action alert email.

[BioStar Alert] Abnormal temp. detected (Exceeded Threshold temp.)

Biostar Alarm Manager

Datetime: 2020-10-20 01:05:50(UTC)

Device Datetime: 2020-10-20 10:05:50

Server Datetime: 2020-10-20 10:05:50

Event: Abnormal temp. detected (Exceeded Threshold temp.)

Temperature: 42.20°C

Device ID: 270

Device Name: FaceStation 2 270 (192.168.8.174)

User ID: 3

User Name: Temperature User B

<https://support.supremainc.com/en/support/solutions/articles/24000060675--biostar-2-stabilization-of-the-thermal-camera-function-and-changed-temperature-column-for-event-logs-and-real-time-logs>

New Features in BioStar 2 v2.8.8

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A thermal inspection report has been added for monitoring

- **CAN** export in CSV and PDF format with temperature data.

The screenshot displays the BioStar 2 software interface. On the left is a vertical sidebar menu with icons and labels for various system components: DASH BOARD, USER, DEVICE, DOOR, FLOOR, ELEVATOR, ZONE, ACCESS CONTROL, and MONITORING. The 'Thermal Report' option under the ZONE section is highlighted with a red box. The main window shows the 'Thermal Report' page. At the top, there's a header bar with navigation links (Settings, Port, About, Help) and user information (Administrator, Logout). Below the header, the report title 'Thermal Report' is enclosed in a red box. To its right are controls for saving filters, selecting a period (set to '1 Day(s)' from 2020/10/20 00:00 to 23:59), and choosing temperature units (Celsius/Fahrenheit, currently set to Celsius). A table below contains the report data with columns: Date, User Group, User, Device, Telephone, Email, Temperature (highlighted with a red box), Event, and Action (with options like Print and CSV Export). The table lists five entries from 2020/10/20, showing temperatures ranging from 36.00 to 42.20. The last entry at 10:05:50 shows an 'Access denied' event due to exceeding the threshold temperature.

Date	User Group	User	Device	Telephone	Email	Temper...	Event	Action
2020/10/20 09:58:53	All Users	3(Temperature User B)	FaceStation 2 270 (192.168.8.174)			36.00	1:1 authentication succeeded (Card)	Column Setting
2020/10/20 09:59:10	All Users	3(Temperature User B)	FaceStation 2 270 (192.168.8.174)			36.09	1:1 authentication succeeded (Card)	
2020/10/20 10:05:30	All Users	3(Temperature User B)	FaceStation 2 270 (192.168.8.174)			43.40	Authentication failed (Timeout)	
2020/10/20 10:05:39	All Users	3(Temperature User B)	FaceStation 2 270 (192.168.8.174)			36.20	Authentication failed (Timeout)	
2020/10/20 10:05:50	All Users	3(Temperature User B)	FaceStation 2 270 (192.168.8.174)			42.20	Access denied (Exceeded threshold temp.)	

Thermal Report						PDF sample
Date	User Group	User	Device	Telephone	Email	Tem... Event
2020/11/03 15:01	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			36.90 1:1 authentication succeeded (Card)
2020/11/03 15:01	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			37.90 1:1 authentication succeeded (Card)
2020/11/03 15:01	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			36.40 1:1 authentication succeeded (Card)
2020/11/03 15:01	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			37.30 1:N authentication succeeded (Face)
2020/11/03 15:01	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			36.50 1:N authentication succeeded (Face)
2020/11/03 15:02	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			36.80 1:N authentication succeeded (Face)
2020/11/03 15:02	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			40.50 Access denied (Exceeded threshold temp.)
2020/11/03 15:03	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			39.40 Access denied (Exceeded threshold temp.)
2020/11/03 15:05	All Users	2\Face User (FS2))	FaceStation 2 270 (192.168...			42.70 Access denied (Exceeded threshold temp.)

<https://support.supremainc.com/en/support/solutions/articles/24000060675--biostar-2-stabilization-of-the-thermal-camera-function-and-changed-temperature-column-for-event-logs-and-real-time-logs>

New Features in BioStar 2 v2.8.8

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Improved Visual Face Mobile Enrollment email content

- Improved for user convenience.

Email Contents

BioStar 2.8.6

Email Contents Setting

Email Title

Email Body

Email Signature

SMTP Setting

SMTP setting

Test Mail Recipient Address

Send Email

Email Contents

BioStar 2.8.8 or later

Email Contents Setting

Email Title

Email Title is required.

Company Name

Company Name is required.

Company Logo

Upload Logo Image

Contact

Contact is required.

SMTP Setting

SMTP setting

Test Mail Recipient Address

Send Email

BioStar 2.8.6

SKT 3:00

Date: 2020년 9월 28일 (월) 오후 12:27

Subject: Visual Face Registration Request

To: <jhlee2@suprema.co.kr>

Dear Sir/Madam,

This is an email which contains Visual Face i

Please open this email on your mobile phone,

Please notice that you must not send your cre

Regards,

Your Administrator

here is the link

BioStar 2.8.8 or later

Visual Face Enrollment Link

Enroll for Facial Recognition

Dear Recipient email address

Suprema TS Test is using facial recognition as an authentication process on BioStar2. You must first enroll your face into the system to access the location via the facial recognition device.

Click the button below to get started.

Visual Face Register

If the button above does not get you connected, please use the link below.

https://laney.biostar2.com/auth_update?key=eCFmeCz28gE9lAbjA5nnR0X8Y5aBUyTEV8MwpNpy

Once you finish the registration process, the button and link will no longer be available.

Please inform us of any problems occurred during the face enrollment.

Contact: Administrator contact email address

<https://support.supremainc.com/en/support/solutions/articles/24000060147--biostar-2-how-to-enroll-visual-face-credential>

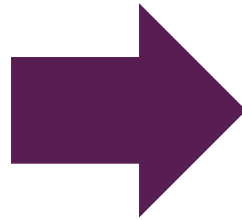
BioStar 2 v2.8.9

New Features in BioStar 2 v2.8.9

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Renamed 'Email Setting' Menu

- Before : Email Contents
- **After : Email Setting**



New Features in BioStar 2 v2.8.9

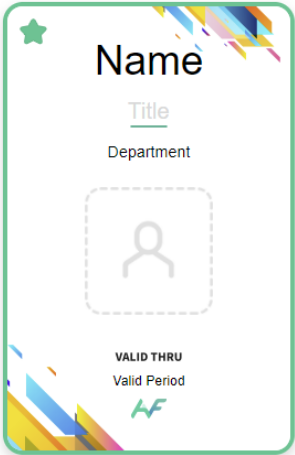
Stabilization of features for Mobile Access.

- Support **Dynamic** Site.
- Displays **user information**, such as *photo, department, title, and period* on the Mobile Access Cards.
 - *Period for Dynamic site's Mobile Access Cards.*
- Improves a user interface for resending Mobile Access Cards.



• Site Type

Dynamic



Type	Card Data Format	Summary	
CSN Mobile	Mobile Access Card	ID: 160759113759951	<div>Reissue</div> <div>Block</div>

Resend

<https://mocasystemen.crunch.help/admin/site-type>

New Features in BioStar 2 **v2.8.9**

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Improvements of BioStar 2 TA synchronization

- Improved device synchronization issue between BioStar 2 AC and TA.
- Improved the phenomenon of logging out or being unable to log in when the BioStar 2 TA service is started.
- Improved error pop-up while using BioStar 2 TA service.

Major Bug Fixes

Major Bug Fixes

A. BioStar 2 v2.8.4

- 1) Allowed the unassigned card on the server to be registered by card reader or enter manually.
- 2) Data files using unsupported time formats failed to be imported.
- 3) Active Directory failed to synchronize when using Personal Information DB Encryption.
- 4) When searching for a user in the MS SQL Server database environment, the user failed to be found even though the user ID is within the supported range.

Major Bug Fixes

B. BioStar 2 v2.8.5

- 1) When the individual report was updated by selecting the 'All Punches' option, screen entered into an infinite loop state.
- 2) Upon setting a temporary schedule or leave, if 'Apply to Other user(s)' was selected, an error occurred.
- 3) List sorting by name and date did not work properly in individual reports.
- 4) Daily reports did not display the time of In and Out correctly after generating individual reports with 'All Punches' option.

Major Bug Fixes

C. BioStar 2 v2.8.8

- 1) When the server restarted, Automatic User Synchronization settings were changed to the default values.
- 2) If an image log file path was changed while using Personal Information DB Encryption, the image log files in the changed path was not encrypted.
- 3) When migration was conducted using the BioStar 1.x to BioStar 2.x Migration Tool, the cards of some users were missing.
- 4) When using the Automatic User Synchronization option in 'Specific Devices', the user data was deleted due to synchronization errors.
- 5) When using the Automatic User Synchronization option in 'Specific Devices', data of users who registered visual faces were not synchronized.
- 6) Errors in the TIME ATTENDANCE menu
 - Punch Log History was not able to be modified.
 - The infinite loading occurred when updating Individual Report.

Major Bug Fixes

D. BioStar 2 v2.8.9

- 1) Punch logs were not displayed if the punch type was null in the updated individual reports by selecting the 'All Punches' option.
- 2) Punch logs were not recorded properly in the individual reports updated by selecting the 'All Punches' option.
- 3) BioStar 2 could not connect with the TA database if using a port other than the default port when installed using MS SQL Windows authentication.
- 4) PIN authentication failed due to the device default hash key transmission error.
- 5) If both user data registered with a face template and user data registered with a visual face template were sent to FaceStation 2 and FaceStation F2 at the same time, the authentication failed on FaceStation F2.
- 6) T&A device synchronization problems.
- 7) When starting the T&A service, a user was automatically signed out of BioStar 2 and was not able to sign in again.
- 8) If clicking Apply in the SERVER menu after setting the mobile access card option to 'Use', the setting was changed to 'Not Use'.



Thank you!

