

Useful information about the BioEntry W3

How to Use Face Credential Correctly for BioEntry W3

BioEntry W3 uses Visual Face as an authentication method.

Visual Face is an authentication method that distinguishes it from face templates used in face authentication devices, allowing users to enroll faces in a variety of convenient ways.

This document contains instructions on how to enroll and use the Visual Face correctly, as well as precautions for face enrollment and authentication.

You can enroll a Visual Face in several ways as shown below. You can enroll directly from the BioStar 2 or a mobile device.



Enroll from the USER menu in BioStar 2
(Enroll by face scan / Upload Image)



Enroll by CSV Import



Enroll by Visual Face Import



Enroll as a mobile device

Precautions for Enrolling a Visual Faces

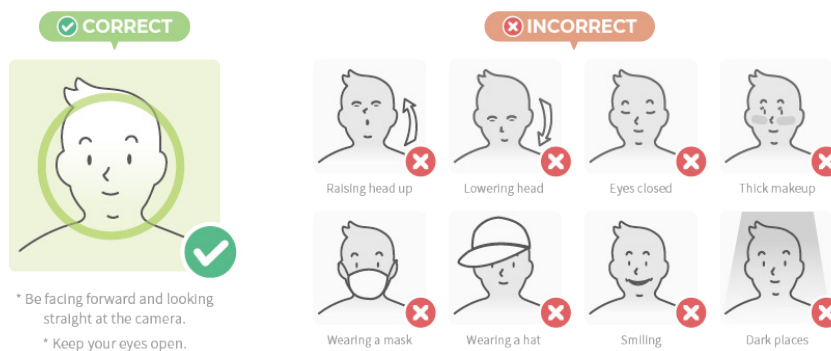


Image size | Up to 10 MB

Supported format | JPG, JPEG or PNG only

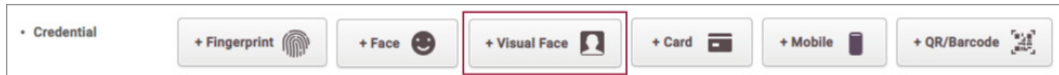
- When enrolling a face, maintain a distance of 60–100 cm between the device and the face.
- Do not change your face expression.
- Do not wear a mask, hat, sunglasses, or eye patches.
- Do not enroll a face wearing a mask. It may increase the False Acceptance Rate (FAR) if both faces with and without a mask are enrolled.
- Do not raise head up or lower head.
- Do not wear thick makeup.
- Do not close your eyes.
- Do not use a corrected picture.
- Stand still and enroll your face by staring at the screen.
- Enroll one person at a time.
- Do not enroll your face in dark places.
- If you do not follow the instructions on the screen, the face enrollment may take longer or may fail.

Enrolling Visual Face on Biostar 2

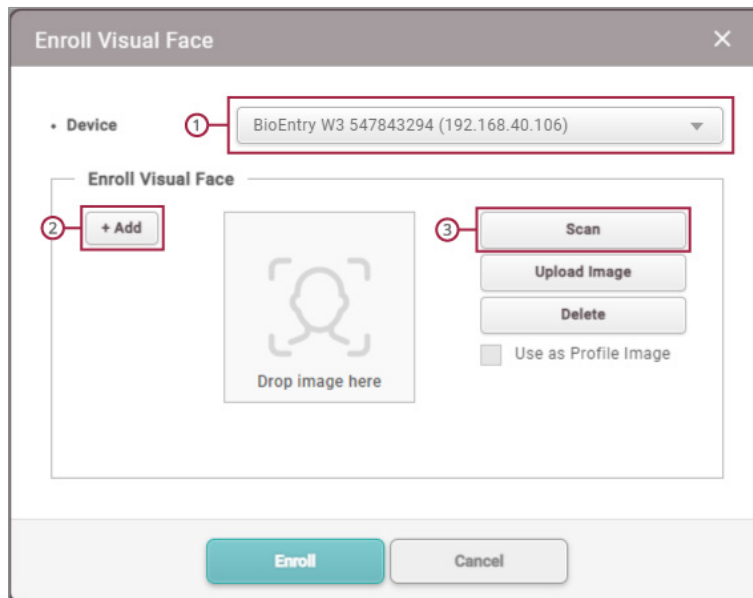
Enroll by Face Scan

BioStar 2 v2.9.7 or higher supports Visual Face Credentials and BioEntry W3 by default.

- 1 Add BioEntry W3 from the BioStar 2 **DEVICE** menu.
- 2 In the BioStar2 **USER** menu, select a user to whom you want to enroll Visual Face credentials.
- 3 Select **Visual Face** from the **Credential** list.



- 4 Select the BioEntry W3 and click **+ Add**.
- 5 Click **Scan** to start scanning your face on your device. Scan your face in front of BioEntry W3.

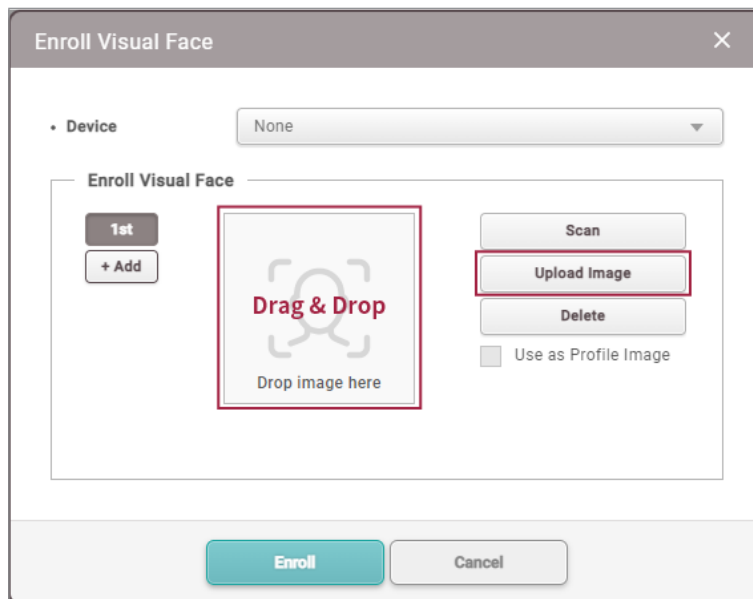


- 6 When scanning is complete, your face is checked on the screen. You can use this as a user Profile Image.

Enroll by Upload Image

You can also enroll a Visual Face by uploading a photo file without scanning the face yourself.

To enroll a Visual Face as a photo file, click **Upload Image** or drag & drop the photo file into the **Drop image here** area.



- Supported image file formats are JPG, JPEG and PNG.
- Supported image file size is up to 10MB.

Precautions for Upload Image

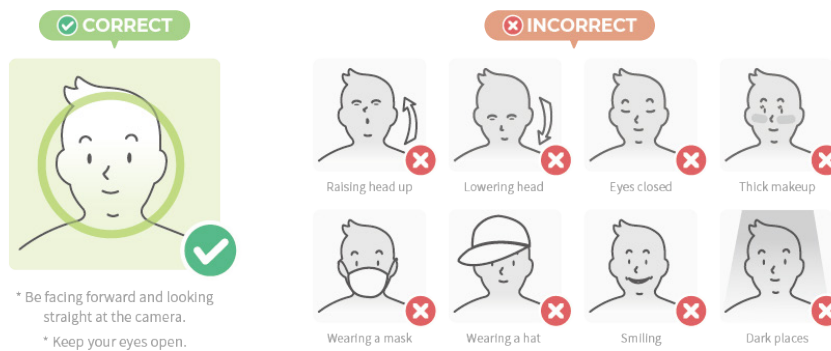


Image size | Up to 10 MB

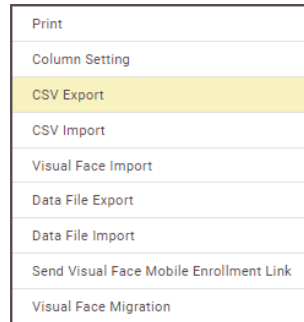
Supported format | JPG, JPEG or PNG only

- Do not wear a mask, hat, sunglasses, or eye patches.
- Do not enroll a face wearing a mask. It may increase the False Acceptance Rate (FAR) if both faces with and without a mask are enrolled.
- Do not raise head up or lower head.
- Do not wear thick makeup.
- Do not close your eyes.
- Do not use a corrected picture.
- Do not enroll your face in dark places.
- Do not use a group photo.

Enroll by CSV Import

You can enroll user's Visual Face by **CSV Import**.

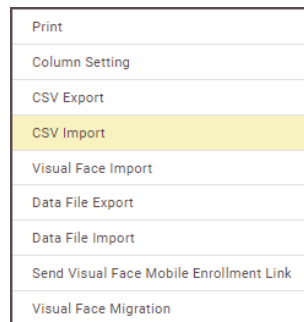
- 1 In BioStar 2 **USER** menu, select the user to export as CSV, then click  and then click **CSV Export**.



- 2 Add **face_image_file1**, and **face_image_file2** columns to the right end of the CSV file, enter the file name of the face image to be enrolled in the next row, including the extension, and save it.

	A	B	C	D	E	F	G	H	I	J	K	L
1	user_id	name	departmer	user_title	phone	email	user_grouy	start_datetime	expiry_datetime	csn	face_image_file1	face_image_file2
2		3 FF					All Users	2001-01-01 0:00	2030-12-31 23:59		Visual Face.jpg	Visual Face2.jpg
3												

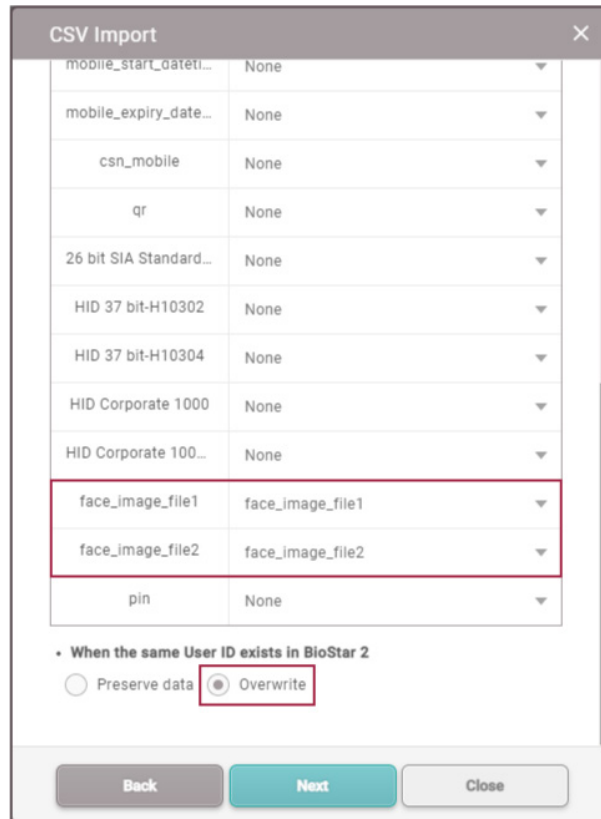
- 3 In BioStar 2 **USER** menu, select a user to enroll a Visual Face, then click  and then click **CSV Import**.



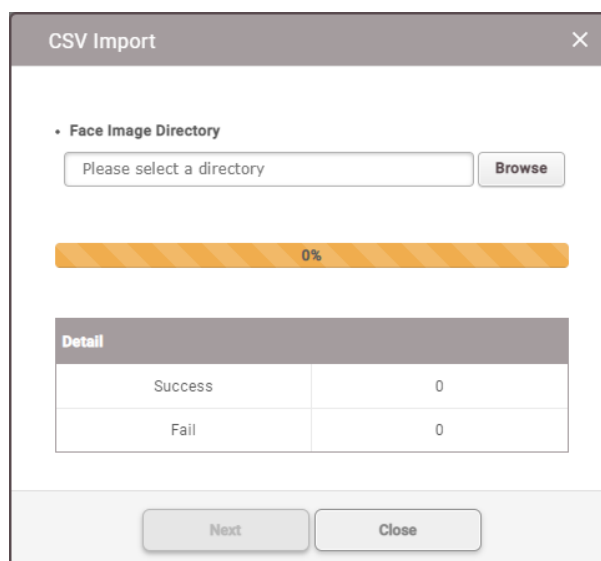
- 4 Click **Browse** to select the path where the CSV file is saved, and then click **Next** to import the CSV file with face photos into BioStar 2.



- 5 The user data field of the CSV file and the user data field of BioStar 2 are mapped and displayed automatically. When you click **Remap**, the fields of the same name will be remapped.
- 6 Check the mapped fields, select **Overwrite** at the bottom to overwrite with the information in the imported CSV file, and click **Next**.



- 7 Click **Browse**, select the path where visual face images are stored, then click **Upload**.
- 8 Click **Next** to complete **CSV Import**. If an error occurs during the import of CSV file information, you can upload it again after checking only the erroneous CSV data.




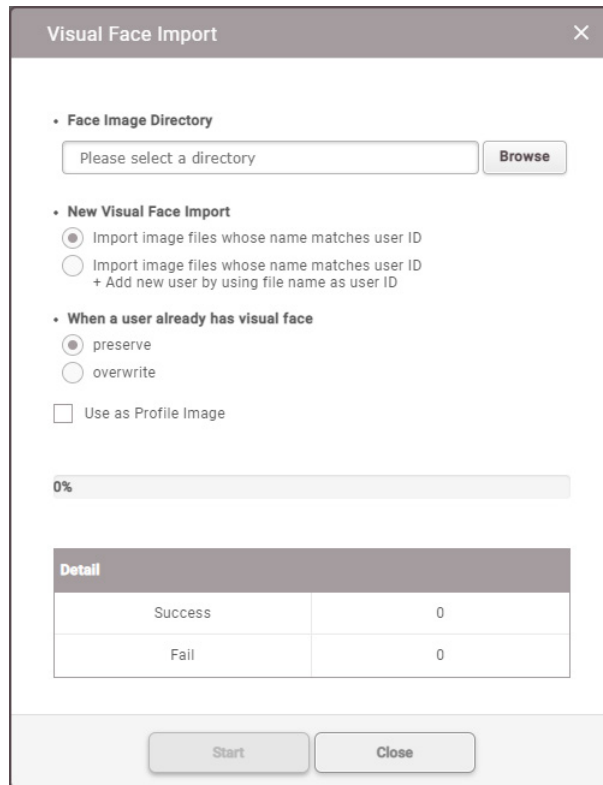
It is recommended to use the same path for the CSV file and visual face image files to be loaded.

- Supported image file formats are JPG, JPEG and PNG.
- Supported image file size is up to 10MB.

Enroll by Visual Face Import

You can enroll user's visual face by importing face image files that match user ID.

- 1 In the BioStar 2 **USER** menu, click  and click **Visual Face Import**.
- 2 Click **Browse**, select the path where the face photo file is stored, and then click **Upload**.



Visual Face Import

• **Face Image Directory**

Please select a directory

• **New Visual Face Import**

Import image files whose name matches user ID

Import image files whose name matches user ID
+ Add new user by using file name as user ID

• **When a user already has visual face**

preserve

overwrite

Use as Profile Image

0%

Detail	
Success	0
Fail	0

- 3 Click **Start** to complete the **Visual Face Import**. If an error occurs during image file import, BioStar 2 will return a list of image files failed to import, you can check which face image files are not suitable.



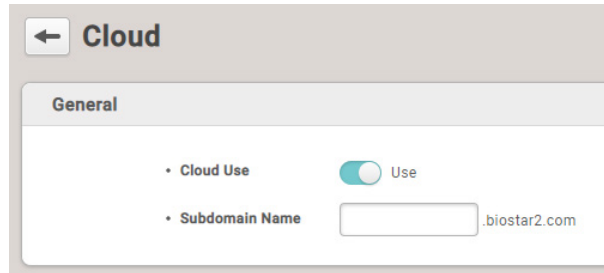
- Supported image file formats are JPG, JPEG and PNG.
- Supported image file size is up to 10MB.
- Only one visual face can be imported per user ID.

Enroll Visual Face via Visual Face Mobile Enrollment

This function requires the use of BioStar 2 Cloud service.

BioStar 2 license is required to use Cloud service. To purchase a license, contact the place of your purchase or your Suprema sales representative.


- 1 Enable **Cloud Use** in **Settings** → **CLOUD** in BioStar 2.



- 2 Set up SMTP to send visual face enrollment link to users from **Settings** → **EMAIL SETTING** → **SMTP Setting** on BioStar 2.

- **SMTP Server Name:** Enter the SMTP server name.
- **Description:** Enter the description.
- **Server Address:** Enter the SMTP server address. SMTP server address is the same form as 'smtp. Email Service Provider.com', and you can check it on the settings screen of email to use as an SMTP.
- **Port(default:25):** Enter the port number of the SMTP server. you can check it on the settings screen of email to use as an SMTP.
- **User Name:** Enter the account of the SMTP service.
- **Password:** Enter the password of the SMTP service.
- **Security Type:** Select security type.
- **Sender:** Enter the email address of the sender.

3 When SMTP setting is complete, enter the email address to receive the test mail for verification in the **Test Mail Recipient Address** field and click **Send Email**. If the SMTP settings are correct, you will receive a test mail to the email address you entered.

4 In BioStar 2 **USER** menu, select a user to enroll a Visual Face, and then click .

5 Click **Send Visual Face Mobile Enrollment Link** and then click **Yes**.

Print
Column Setting
CSV Export
CSV Import
Visual Face Import
Data File Export
Data File Import
Send Visual Face Mobile Enrollment Link
Visual Face Migration

6 The visual face enrollment link will be sent to the email of the selected user. When the user completes the upload, the visual face is enrolled in the user information.



- Supported image file formats are JPG, JPEG and PNG.
- Supported image file size is up to 10MB.
- Visual Face Enrollment link sent will expire after 24 hours.

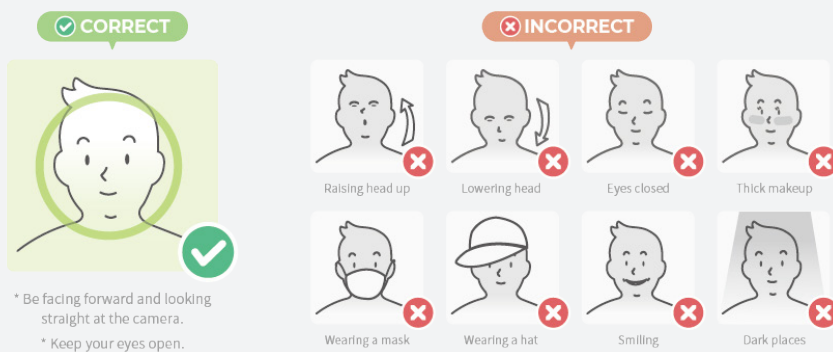
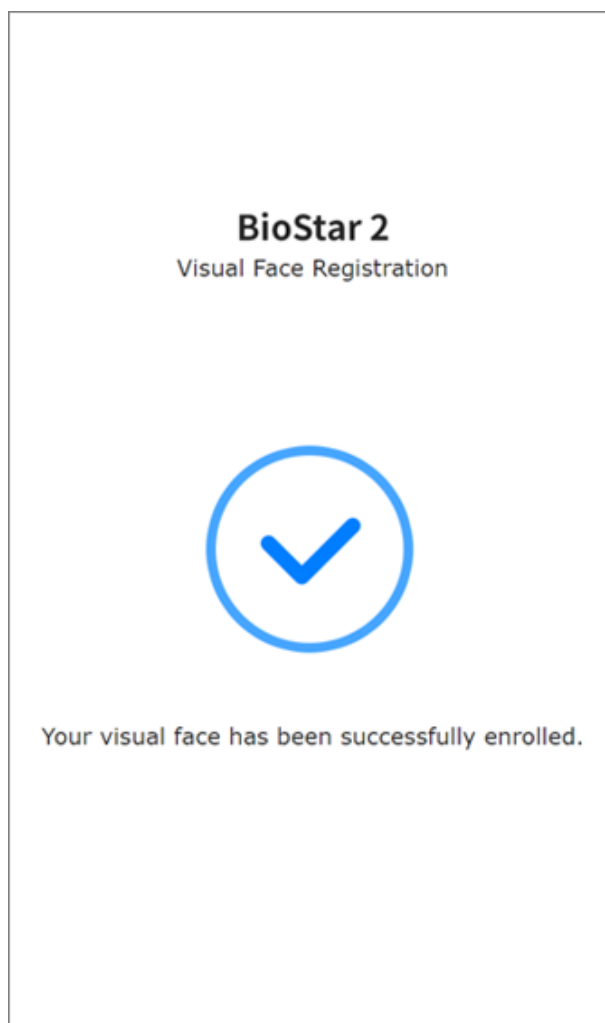


Image size | Up to 10 MB

Supported format | JPG, JPEG or PNG only

- Once the Visual Face Mobile Enrollment process is successful after uploading a face picture, an enrollment success message appears on the screen. If enrollment fails, a failure message and reason are displayed, and the user can retry the Visual Face Enrollment again using a different face picture.



Precautions for Authenticating a Face

- Follow the instructions shown on the screen to authenticate the face.
- If a part of the face is covered with a hat, a mask, an eye patch, or sunglasses authentication may fail. Do not cover the face; allow the device to recognize both the eyebrows and the face.
- Authenticate your face at a distance of 60–100 cm from the device.
- Authentication may fail if your shoulders are not at the same height. Stand still, and then authenticate your face.