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# Version 2.7.1 (V2.7.1.1)

## Date

2020-09-15

## New Features

- Supports FaceStation F2
- Supports Thermal camera - Facial temperature & Mask detection features
- Supports the feature of changing of the user-defined PIN encryption key

1. FaceStation F2 is supported, user related structures & API are added.

- Structure [BS2UserSettingEx](#) has been added
- Structure [BS2TemplateEx](#) has been added
- Structure [BS2FaceEx](#) has been added
- Structure [BS2UserFaceExBlob](#) has been added
- API [BS2\\_ScanFaceEx](#) has been added
- API [BS2\\_ExtractTemplateFaceEx](#) has been added
- API [BS2\\_EnrollUserFaceEx](#) has been added
- API [BS2\\_GetUserInfosFaceEx](#) has been added
- API [BS2\\_GetUserDatasFaceEx](#) has been added

2. Several authentication modes for FaceStation F2 have been added, and you can configure with API and structure below.

- Structure [BS2AuthConfigExt](#) has been added
- API [BS2\\_GetAuthConfigExt](#) has been added
- API [BS2\\_SetAuthConfigExt](#) has been added

3. You can extract template by jpg image from FaceStation F2. The template file can be stored on AoC.

- Structure [BS2SmartCardHeader](#) has been added
- API [BS2\\_ExtractTemplateFaceEx](#) has been added

4. Thermal camera - Facial temperature & Mask detection can be configured with API & structure below.

- Structure [BS2FaceConfigExt](#) has been added
- API [BS2\\_GetFaceConfigExt](#) has been added
- API [BS2\\_SetFaceConfigExt](#) has been added

5. Thermal camera information structure and configurable API are available.

- Structure [BS2ThermalCameraConfig](#) has been added

- API [BS2\\_GetThermalCameraConfig](#) has been added
- API [BS2\\_SetThermalCameraConfig](#) has been added

6. New event log structure & API to support temperature information have been added.

- Callback function [OnLogReceivedEx](#) has been added
- Structure [BS2EventSmallBlobEx](#) has been added
- API [BS2\\_StartMonitoringLogEx](#) has been added
- API [BS2\\_GetLogSmallBlobEx](#) has been added
- API [BS2\\_GetLogSmallBlobExFromDir](#) has been added

7. User-defined PIN encryption key can be changed, and the PIN can be extracted with APIs.

- API [BS2\\_SetDataEncryptKey](#) has been added
- API [BS2\\_MakePinCodeWithKey](#) has been added

## Modified Features

1. A structure is modified to support FaceStation F2's configuration.

- Structure [BS2FaceConfig](#) has been added

2. Masking information of some API retrieving user information with userMask has been added.  
(Refer to userMask parameter for each API)

- API [BS2\\_GetUserDatas](#) has been added
- API [BS2\\_GetUserDatasEx](#) has been added
- API [BS2\\_GetSupportedUserMask](#) has been added
- API [BS2\\_GetUserSmallDatas](#) has been added
- API [BS2\\_GetUserSmallDatasEx](#) has been added
- API [BS2\\_GetUserDatasFromDir](#) has been added
- API [BS2\\_GetUserDatasExFromDir](#) has been added
- API [BS2\\_GetUserSmallDatasFromDir](#) has been added
- API [BS2\\_GetUserSmallDatasExFromDir](#) has been added
- API [BS2\\_GetUserInfosFaceEx](#) has been added
- API [BS2\\_GetUserDatasFaceEx](#) has been added

3. In the past, parameters like fingerSupported, faceSupported were used meaning fingerprint authentication(matching) or facial authentication(matching).

This was confusing because FaceStation2 or returned fingerSupported = true.

From 2.7.1, additional information fingerScanSupported and faceScanSupported is supported to provide more accurate information.

With this, FaceStation2 returns fingerScanSupported = false.

- API [BS2\\_GetDeviceInfoEx](#) has been added
- Structure [BS2SimpleDeviceInfoEx](#) has been added

4. For security reasons, support for the function [BS2\\_GetDataEncryptKey](#) has been deprecated.

From:

<http://kb.supremainc.com/bs2sdk/> - **BioStar Device SDK**

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