# Table of Contents

# 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.

- Refer to structure BS2UserSettingEx
- Refer to structure BS2TemplateEx
- Refer to structure BS2FaceEx
- Refer to structure BS2UserFaceExBlob
- Refer to API BS2_ScanFaceEx
- Refer to API BS2_ExtractTemplateFaceEx
- Refer to API BS2_EnrollUserFaceEx
- Refer to API BS2_GetUserInfosFaceEx
- Refer to API BS2_GetUserDatasFaceEx

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

- Refer to structure BS2AuthConfigExt
- Refer to API BS2_GetAuthConfigExt
- Refer to API BS2_SetAuthConfigExt

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

- Refer to structure BS2SmartCardHeader
- Refer to API BS2_ExtractTemplateFaceEx

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

- Refer to structure BS2FaceConfigExt
- Refer to API BS2_GetFaceConfigExt
- Refer to API BS2_SetFaceConfigExt

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

- Refer to structure BS2ThermalCameraConfig

- Refer to API BS2_GetThermalCameraConfig
- Refer to API BS2_SetThermalCameraConfig

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

- Refer to callback function OnLogReceivedEx
- Refer to structure BS2EventSmallBlobEx
- Refer to API BS2_StartMonitoringLogEx
- Refer to API BS2_GetLogSmallBlobEx
- Refer to API BS2_GetLogSmallBlobExFromDir

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

- Refer to API BS2_SetDataEncryptKey
- Refer to API BS2_MakePinCodeWithKey

## Modified Features

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

- Refer to structure BS2FaceConfig

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

- Refer to API BS2_GetUserDatas
- Refer to API BS2_GetUserDatasEx
- Refer to API BS2_GetSupportedUserMask
- Refer to API BS2_GetUserSmallDatas
- Refer to API BS2_GetUserSmallDatasEx
- Refer to API BS2_GetUserDatasFromDir
- Refer to API BS2_GetUserDatasExFromDir
- Refer to API BS2_GetUserSmallDatasFromDir
- Refer to API BS2_GetUserSmallDatasExFromDir
- Refer to API BS2_GetUserInfosFaceEx
- Refer to API BS2_GetUserDatasFaceEx

## 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.

- Refer to API BS2_GetDeviceInfoEx
- Refer to structure BS2SimpleDeviceInfoEx

4. For security reasons, support for the function BS2_GetDataEncryptKey has been deprecated.

From:
http://kb.supremainc.com/bs2sdk/ - **BioStar 2 Device SDK**

Permanent link:
**http://kb.supremainc.com/bs2sdk/doku.php?id=en:release_note_271**

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