

2.4.0 1

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2017-3-24

BioStar 2 Device SDK v2.4 가 2.4 .

v2.4

- [BS2_EnrolUserEx](#) 가 가 .
- [BS2_GetUserInfosEx](#) 가 가 .
- [BS2UserBlobEx](#) 가 가 .
- [SSL API](#)가 가 .

v2.4

BioStation 2	1.4.0
BioStation A2	1.3.0
BioStation L2	1.2.0
BioEntry W2	1.1.0

1. OM-120 SDK
 API 가 가 .

- [Lift Control API](#) 가 가 .

OM-120 Lift 12 Relay door
 Access group floor level floor level Access level

2. FaceStation 2 2017 2 . v2.4 FaceStation 2
 7 .

- [Face API](#)가 가

FaceStation 2 1:N Matching 5,000

3. v1 Template . v1 v2 가

, v1 ./

- [BS1CardConfig](#)가 가

v1 ToC(Template on Card)가 v2 . v2
 block index가 v1 CIS index block . v1 ToC v2
 Access on Card/Secure Credential Card , block index CIS index
 block

4. T&A SW Job Code가 가 . Job Code

Job Code . v2.4 FW

- [BS2UserBlobEx](#)가 가

[BS2UserBlob](#)
[BS2UserBlobEx](#) Job Code v2.4 FW
 Job Code

5. 가

- API [BS2_GetLogBlob](#) 가 가
- [BS2EventBlob](#)가 가

API [BS2_GetLog](#) Job Code 가 . blob 가
 API가 . blob
 가

6. Personal messages will be supported from the next version of the firmware for certain devices. This was implemented to be ready to use once the releases are made.

- Structure [BS2UserBlobEx](#) has been added

This feature will be supported starting from the FaceStation 2. The rest of the devices with a display screen will support this feature in the future release. Due to the limitation on size of the existing [BS2UserBlob](#) structure, there were needs to create a new structure to implement a new feature. The new [BS2UserBlobEx](#) structure will work only with the v2.4 FW group which includes a field for personal messages.

7. SSL Communication will be available between the server and devices. This will allow the devices to be only connected to a server where the certificate is valid.

- [SSL API](#) has been added

Changed Objects

1. Parameter **outQuality** has been added to the [BS2_ScanFingerprint](#) API

The [BS2_ScanFingerprint](#) API now has a new parameter which returns the quality score of the scanned fingerprint. This was added to give a proper feedback to make fingerprint template management more efficient.

BEFORE

```
#include "BS_API.h"

int BS2_ScanFingerprint(void* context, uint32_t deviceId, BS2Fingerprint*
finger, uint32_t templateIndex, uint32_t quality, uint8_t templateFormat,
OnReadyToScan ptrReadyToScan);
```

AFTER

```
#include "BS_API.h"

int BS2_ScanFingerprint(void* context, uint32_t deviceId, BS2Fingerprint*
finger, uint32_t templateIndex, uint32_t quality, uint8_t templateFormat,
uint32_t* outQuality, OnReadyToScan ptrReadyToScan);
```

2. Field **useJobCode**, **useAlphanumericID**, **cameraFrequency** has been added to the [BS2SystemConfig](#) structure

The **useJobCode** field was added to allow enable/disable the usage of job codes.

The alphanumeric ID was already allowed in the certain devices such as, BioStation 2, BioStation A2, BioStation L2, and BioEntry W2. However, the devices with display screens did not support keypads that allowed ID + credential authentications. Starting from the v2.4 FW group, the devices with a display screen can change the value of the **useAlphanumericID** field and allow users to input an alphanumeric ID for authentication.

The camera frequency can be changed for the BioStation A2 device using the **cameraFrequency** field.

3. Parameter **rs485mode**, **sslSupported**, **rootCertExist**, **dualIDSupported**, **useAlphanumericID**, **connectedIP**, **phraseCodeSupported**, **card1xSupported**, **systemExtSupported**, **voipSupported** has been added to the [BS2SimpleDeviceInfo](#) Structure

The [BS2SimpleDeviceInfo](#) Structure has additional fields that will indicate the capability and status of the device.

rs485mode is a field where it determines the RS-485 mode of the device

sslSupported is a field that indicates whether the device supports SSL connection

rootCertExist is a field that indicates whether the device has the root certificate

dualIDSupported is a field that indicates whether the device supports alphanumeric ID

useAlphanumericID is a field where it determines the device is set to use alphanumeric ID

connectedIP is a field where it determines the IP address of the server that the device is connected to

phraseCodeSupported is a field that indicates whether the device supports personal messages
card1xSupported is a field that indicates whether the device supports v1 ToC cards
systemExtSupported is a field that indicates whether the device can set the RS-485 master key
voipSupported is a field that indicates whether the device supports VoIP

Bug Fixes

1. The UDP packet payload size has been changed starting from the v2.4 FW group. The SDK was modified to support both payload sizes for the old and new firmware.
2. The ALL mask of [BS2_GetConfig](#) was not working properly. This was caused because the buffer size was set smaller than the added structure [BS2MultiWiegandConfig](#). Now the buffer size has been increased so the ALL mask will work properly.
3. The BioEntry Plus and BioEntry W did had the capability of using the multiple wiegand feature, but was ruled out in the SDK. Now these devices can operate using the multiple wiegand feature.

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