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Version 2.6.0

Date

2018-10-31

> **NOTE**
> After V2.5.0, it was reflected in V2.6.0 through bug fixes and
> additional supplements, but missing contents were added to the
> manual.

New Features

- Support reading USB memory (BioStation A2, FaceStation 2)
- Supports Debugging API
- Supports server port change
- Supports Global APB zone feature
- Supports device connection status check feature
- Supports automatic connection check and change feature

1. Added USB memory read feature.

   - API BS2_AllocateUsbContext has been added
   - API BS2_ReleaseUsbContext has been added
   - API BS2_GetUserDatabaseInfoFromDir has been added
   - API BS2_GetUserListFromDir has been added
   - API BS2_GetUserInfosFromDir has been added
   - API BS2_GetUserDatasFromDir has been added
   - API BS2_GetUserInfosExFromDir has been added
   - API BS2_GetUserDatasExFromDir has been added
   - API BS2_GetLogFromDir has been added
   - API BS2_GetLogBlobFromDir has been added
   - API BS2_GetFilteredLogFromDir has been added

2. Added to refer to debug information that occurs in the SDK.

   - API BS2_SetDebugExCallback has been added

3. Added server port designation feature.

   - API BS2_SetServerPort has been added
   - API BS2_SetSSLServerPort has been added

4. Added Global APB zone feature.

- API BS2_SetCheckGlobalAPBViolationHandler has been added
- API BS2_CheckGlobalAPBViolation has been added

5. Added device connection status check feature.

- API BS2_IsConnected has been added

6. Added to automatic connection check and change feature.

- API BS2_IsAutoConnection has been added
- API BS2_SetAutoConnection has been added

Modified Features

1. In some functions, the event mask judgment condition set when acquiring logs has been modified. (Logs that satisfy all set masks → Logs that satisfy even one)

- Refer to API BS2_GetLogBlob
- Refer to API BS2_GetLogBlobFromDir

2. Fixed an Invalid Parameter error that occurs when the set userMask is greater than 0x3FF when obtaining user information in some functions.

- Refer to API BS2_GetUserDatas
- Refer to API BS2_GetUserDatasEx
- Refer to API BS2_GetUserDatasFromDir
- Refer to API BS2_GetUserDatasExFromDir

3. Fixed a problem where a crash could occur in the context release phase when using Multi context. In addition, fixed a problem that could cause an access violation intermittently.

- Refer to API BS2_AllocateContext
- Refer to API BS2_ReleaseContext

4. Fixed a problem where a crash could occur due to a buffer overflow while receiving a packet from the SDK.

5. Fixed a problem that caused a timeout occurs when deleting all users from an Entry family device.

- Refer to API BS2_RemoveAllUser

6. Fixed a problem where a Not Supported error occurs when userMask is BS2_USER_MASK_ALL when obtaining user information.

- Refer to API BS2_GetSupportedConfigMask
- Refer to API BS2_GetSupportedUserMask

- Refer to API BS2_GetUserDatas
- Refer to API BS2_GetUserDatasEx

7. Fixed a problem where a crash could occur when there is no data when obtaining logs.

- Refer to API BS2_GetLog
- Refer to API BS2_GetFilteredLog
- Refer to API BS2_GetLogFromDir

8. Fixed a problem where packet for multi packet could be discarded during RS485 communications.

9. Fixed a problem where the timer may not work on Linux SDK. (Change from signal method to thread method)

10. Fixed a problem that dead-lock could occur due to memory allocation in signal handle in Linux SDK.

11. Added socket close option SOCK_CLOEXEC when using socket on Linux.

12. Fixed a problem with lock/unlock incorrect sync objects internally when using the Server matching function.

13. Keep alive code has been improved to detect the disconnected status among the device status.

14. Fixed a problem where Intrusion Alarm Zone information was not set.
In addition, incorrect error judgment conditions during validation have been corrected.
Before: (0 < door) AND (if there no card data), (0 < card) AND (if there no door ID)
After: (0 < door) AND (if there no door ID), (0 < card) AND (if there no card data)

- Refer to API BS2_SetIntrusionAlarmZone

15. Fixed blocking until the timeout occurs when loading an image log that does not actually exist.

- Refer to API BS2_GetImageLog
- Refer to API BS2_GetLogBlobFromDir

16. Fixed a problem so that allocation memory errors do not occur when there is no data in the **Intrusion Alarm Zone**.
In addition, it has been modified to return only the count when zoneBlob is NULL.

- Refer to API BS2_GetIntrusionAlarmZone

17. Fixed a problem where TCP connection was no longer possible when Socket-related internal resources were exhausted.

18. It has been modified so that it is returned as an Invalid Parameter when door ID exceeds 65535 when setting the door from an Entry family device.

- Refer to API BS2_SetDoor

19. Added cryptographic activation code to handshake phase on TCP connection.

20. Fixed a problem where fingerprint information was not stored on FaceStation 2.

21. Fixed a problem where a crash occurs when using the BS2_SearchDevicesCoreStation function.

22. Fixed to validate a template and image size of the face when using the BS2_EnrolUser function.

23. Fixed a problem of returning Not supported when using the below function.

- Refer to API BS2_GetCardConfigEx
- Refer to API BS2_GetRS485ConfigEx

Version 2.6.0

Date

2018-04-15

> **CAUTION**
> Up to version 2.5.0, Device SDK statically included OpenSSL library,
> but starting with 2.6.0, it has been changed to link in shared library form.
> Therefore, you need to run the appropriate OpenSSL library after installation.
> The 2.6.0 library has been tested based on the OpenSSL 1.0.2n library.
> The sample files contain the OpenSSL 1.0.2n Windows library file.

New Features

- Supports for new device connections (BioLite N2, Xpass D2)
- Supports Daylight saving time (DST)
- Supports Interlock zone
- Supports data encryption key setting of device
- Factory default without network setting

1. New devices BioLite N2, Xpass D2 are supported. Xpass D2 is a slave exclusive card device.

2. Daylight Saving Time can be set up to 2 devices. In addition, relevant information has been added to the log to let you know when daylight saving time is in effect.

- API BS2_GetDstConfig has been added

- API BS2_SetDstConfig has been added
- Structure BS2DstConfig has been added
- Structure BS2Event has been modified

3. Interlock zone setting is supported. It is used when one door and the other door need to be exclusively locked to each other. Currently only CoreStation is available.

- API BS2_GetInterlockZone has been added
- API BS2_GetInterlockZoneStatus has been added
- API BS2_GetAllInterlockZoneStatus has been added
- API BS2_SetInterlockZone has been added
- API BS2_SetInterlockZoneAlarm has been added
- API BS2_RemoveInterlockZone has been added
- API BS2_RemoveAllInterlockZone has been added
- Structure BS2InterlockZoneBlob has been added

4. Data Encryption key of the device can be changed and verified.

- API BS2_GetDataEncryptKey has been added
- API BS2_SetDataEncryptKey has been added
- API BS2_RemoveDataEncryptKey has been added

5. Supports new device initialization API BS2_ResetConfigExceptNetInfo. This API can factory default without network information unlike BS2_ResetConfig.

- API BS2_ResetConfigExceptNetInfo has been added

6. Supports feature feasibility check API BS2_GetDeviceInfoEx. This API BS2_GetDeviceInfo uses structure BS2SimpleDeviceInfoEx which has recent fields moved from the BS2SimpleDeviceInfo.

- API BS2_GetDeviceInfoEx has been added
- Structure BS2SimpleDeviceInfoEx has been added

Modified features

1. Simultaneous use of Wiegand In / Out is supported.
This function can be used by setting the mode value to 2 when Wiegand is set.

- Refer to structure BS2WiegandConfig

2. Device security tamper setting is supported.
The secureTamper of BS2SystemConfig can check and set whether the current security tamper is set. This structure must be configured after reading through BS2_GetSystemConfig, and then only necessary information should be modified through BS2_SetSystemConfig.

- Refer to structure BS2SystemConfig

3. Fingerprinter is supported on FaceStation 2 or FaceLite

Both FaceStation 2 and FaceLite do not have a fingerprint sensor and therefore do not support fingerprint authentication directly from those devices. However, fingerprint devices can be connected to as a slave device to either device, then it means fingerprint matching is supported.
Thus, BS2SimpleDeviceInfo.fingersupported changed from 0 to 1.
Whether or not the device currently supports fingerprint matching can be checked via fingerSupported in BS2SimpleDeviceInfo.

- Refer to structure BS2SimpleDeviceInfo

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