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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GA/T 626.1-2010

Replacing GA/T 626.1-2006

**Application interface specification of fingerprint live scan--Part
1: Scanning device
(English Translation)**

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Foreword

GA/T 626 "live fingerprint image Application Interface Specification" is divided into two parts.

--- Part 1. acquisition device;

--- Part 2. Image Stitching.

This section GA/T Part 1 626.

Since the implementation of this section instead of GA/T 626.1-2006 Part 1 "live fingerprint image acquisition, stitching application interface specification Score. image acquisition Application Interface Specification. " Since the implementation of this section GA/T 626.1-2006 annulled.

This portion of the GA/T 626.1-2006 compared to the main changes are as follows.

--- Standard name changed to. "live fingerprint image application interface specification - Part 1. Acquisition Device";

--- Increase Normative references. GA 776-2008;

--- Delete Normative references. GA 425.4, GA 425.9;

--- All the functions described in the return value add "call LIVESCAN_GetErrInfo function to get the error message Error code values shall comply with the requirements of 3.22 "; increasing access to the preview image size, collecting a preview image, it is determined whether the device supports mining acquisition Set the preview image and other three functions;

--- Delete residential single finger capture relevant content, an increase of four with his right hand finger flat, flat four with his left hand right hand finger or thumbprint plane related information.

This part is proposed by the Ministry of Public Security Criminal Investigation Bureau.

The criminal section of the National Criminal Information Technology Standardization Technical Committee Technical Committee (SAC/TC179/SC2) centralized.

This section drafted by. Ministry of Public Security Criminal Investigation Bureau, Jiangsu Provincial Public Security Criminal Investigation Bureau, Ministry of Public Security Evidence Identification Center, Changchun Hongda Guang Electronics and Biometric Identification Technology Co., Ltd., Shield Principal Technology (Beijing) Co., Ltd.

1 Scope

GA/T 626 This part provides live fingerprint capture device application program interface (API) specification.

This section applies to public security organs live fingerprint capture device.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated reference documents, the latest versions apply to this document.

GB 2312 exchange information with Chinese characters coded character set basic set GB 18030 Information technology - Chinese coded character set GA 776-2008 AFIS product Encoding Rules

3.1 Capture device initialization

Function prototype. `int_stdcallLIVESCAN_Init ()`.

Parameters. None.

Returns. the call is successful, 1 is returned.

< 0 returns an error code, call `LIVESCAN_GetErrInfo` function to get an error message. Error code value shall comply with the requirements of 3.23.

Description. Initializes live fingerprint capture device, allocate appropriate resources to check authorization. In all interface functions usually First call this function. Just call once, allowing repeated calls, and multiple calls to the same result.

Release 3.2 capture device Function prototype. `int_stdcallLIVESCAN_Close ()`.

Parameters. None.

Returns. the call is successful, 1 is returned.

< 0 returns an error code, call `LIVESCAN_GetErrInfo` function to get an error message.

Error code value shall comply with the requirements of 3.23.

Description. Close live fingerprint capture device, the release of resource allocation, after calling this function, without calling LIVESCAN_ Before Init function, you can only call LIVESCAN_GetVersion, LIVESCAN_GetDesc, LIVESCAN_GetErrInfo function. After calling this function, it should re-initialize the collection calls LIVESCAN_Init equipment.

3.3 Capture device to obtain the number of channels

Function prototype. int_stdcallLIVESCAN_GetChannelCount ().

Parameters. None.

Returns. the call succeeds, the return channel number (> 0).

< 0 returns an error code, call LIVESCAN_GetErrInfo function to get an error message.
Error code value shall comply with the requirements of 3.23.