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

GB/T 26237.6-2014

**Information technology -- Biometric data interchange formats --
Part 6: Iris image data**

信息技术 生物特征识别数据交换格式 第6部分：虹膜图像数据
(English Translation)

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Foreword

GB/T 26237 "Information technology - Biometric data interchange format" is divided into the following 14 sections.

- Part 1. Framework;
- Part 2. minutiae data;
- Part 3. Finger pattern spectral data;
- Part 4. Finger image data;
- Part 5. Face image data;
- Part 6. Iris image data;
- Part 7. Signature/signature time-series data;
- Part 8. skeleton type fingerprint data;
- Part 9. Vascular biometric image data;
- Part 10. Hand-shaped contour data;
- Part 11. treated signature/signature dynamic data;
- Part 12. face shape characteristic data;
- Part 13. Sound data;

Part --- Article 14. DNA data.

This section GB/T Part of 626,237.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law reference ISO/IEC 19794-6:2005 "Information technology - Biometric data interchange formats -Part 6. Iris image data "to develop, and ISO/IEC 19794-6:2005 is not equivalent degree of consistency.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

This section drafted by. China Electronics Standardization Institute, Chinese Academy of Sciences Institute of Automation.

Introduction

Currently, the exchange of information between different iris supply-side equipment is mainly transmitted through intact human eye image. Although some applications can place Li uncompressed full-size image of the human eye, but because of the limitations of storage space and bandwidth that is relatively high cost. GB/T 26237 this Part Points define a compact representation of the iris information exchange uses.

Appendix A of this section gives some suggestions to obtain an iris image.

Information technology - Biometric data interchange formats Part 6. Iris image data

1 Scope

This section GB/T 26237 specifies the iris image data exchange format, the format is mainly used for the biometric iris image Registration, verification and identification systems. Iris image information can be stored as follows.

--- In accordance with ISO/IEC 15444 (all parts) or ISO/IEC 15948 protocol compression resulting array of gray values;

--- According to the gray scale values \u200b\u200bISO /IEC 15444 (all parts) or ISO/IEC 15948 protocol compresses the resulting array, and its Content is the result of the following areas cropped. get to the center of the array center of the iris region of interest, with a non-Hong ROI regions of the film mask, eyes iris region, binocular crop the iris region, or with a non-dual iris region mask Head iris region of interest.

This section does not include.

- Requires the camera optical specifications;
- Photometric requirements iris image characteristics;
- Iris registration process requires equipment, workflow and use.

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 references, the latest edition (including any amendments) applies to this document.

GB/T 26237.1-2010 biometric data interchange formats - Part 1. Framework (ISO/IEC 19794-1:2006, MOD) ISO/IEC 15444 (all parts) IT JPEG2000 image coding system [Informationtechnology-JPEG2000imagecodingsystem (Alparts)] Portable Network Graphics ISO/IEC 15948 Information technology - Computer graphics and image processing (PNG). Functional specification [Infor-mationtechnology-Computergraphicsandimageprocessing-PortableNetworkGraphics (PNG).

Functionalspecification]

3 Terms and Definitions

GB/T 26237.1-2010 and as defined in the following terms and definitions apply to this document.

Compact notation compactrepresentation A data recording, the data record contains compressed to fit a particular application size image.

Note: In this section, typical lossy range compact representation is 2KB ~ 6KB. A.1 gives the recommended range of sizes for all record types.

Gray greyscale

Continuous tone image containing only a single light luminance information.