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**Forensic sciences - Forged video and image of a person -
Evaluation for examination system**

法庭科学 伪造人像 检验系统评测

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

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Evaluation of forensic science forged portrait detection system

1 Scope

This document specifies the data set and environment requirements for the evaluation of forged portrait detection systems in the field of forensic science, and establishes functional indicators and performance Indicators specify the formation of evaluation results and the requirements for evaluation document sets.

This document is applicable to the evaluation of forged portrait detection systems in the field of forensic science, and is used as a reference for product self-testing and product selection.

2 Normative references

GB/T 45429

3 Terms and definitions

The terms and definitions defined in GB/T 45429 and the following apply to this document.

3.1 Evaluation datasetevaluationdataset

A collection of data used to evaluate the functionality and performance of a forged portrait inspection system.

3.2 Average examination time averaged examination time

The average time it takes for the test system to input the test data set and output the test results.

4.1.1 Open Source Data Collection and Screening

The requirements for face images/videos collected and screened through open source data are as follows.

- a) Image formats should at least include BMP, JPEG, JPEG2000, PNG, and HEIF;
- b) Video file formats should at least include MP4, AVI, MKV, FLV, MOV;
- c) Video encoding formats should at least include MPEG, H.264, H.265, and AV1;

- d) Video resolution shall not be less than 360P;
- e) The face resolution shall not be less than 100x100 pixels;
- f) The proportion of face frames is not less than 80%;
- g) The video length should be no less than 10 seconds and no more than 1 minute.

4.1.2 Real Person Dataset

The requirements for multi-dimensional combined video shooting for specified real people are as follows.