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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 540-2021

Forensic coaxial photography apparatus

刑事照相定向反射镜

(English Translation)

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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:

This document replaces GA 540-2005 "Directional Reflector for Criminal Photography": Compared with GA 540-2005, except for structural adjustment and editorial Besides the changes, the main technical changes are as follows:

--- Changed the term "directional mirror" (see 3.1, 3:1 of the:2005 edition);

--- Changed the appearance requirements (see 5.1:1, 5:1:1 of the:2005 edition);

---Changed the optical properties of the beam splitter filter parts after coating (see 5.2:2, 5:2:2 of the:2005 edition);

--- Changed the glued surface requirements (see 5.3:2, 5:3:2 of the:2005 edition);

--- Changed the requirements for surface defects (see 5.3:3, 5:3:3 of the:2005 edition);

--- Changed the constant heat and humidity requirements (see 5.5:1, 5:5:1 of the:2005 edition);

--- Changed the requirements for salt spray (see 5.5:2, 5:5:2 of the:2005 edition);

---Changed the test procedure (see 6.1:1:2, 6:1:1:2 of the:2005 edition);

---Changed surface defects and pinholes (see 6.2:2, 6:2:2 of the:2005 edition);

--- Changed the constant damp heat test method (see 6.4:1, 6:4:1 of the:2005 edition);

--- Changed the salt spray test method (see 6.4:2, 6:4:2 of the:2005 edition);

--- Changed the low temperature test method (see 6.4:3, 6:4:3 of the:2005 edition);

--- Changed the type inspection requirements (see 7.2, 7:3 of the:2005 edition);

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--- Changed the factory inspection requirements (see 7.3, 7:2 of the:2005 edition):

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

1 Scope

This document specifies the technical requirements, test methods, inspection rules and signs of directional reflectors:

This document is applicable to the incident light directional reflection device for physical evidence inspection:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 1185-2006 Surface defects of optical parts GB/T 2423.1-2008 Environmental testing for electrical and electronic products - Part 2: Test methods Test A: Low temperature GB/T 2423.3-2016 Environmental Testing Part 2: Test Method Test Cab: Constant Damp Heat Test GB/T 2423.17-2008 Environmental testing for electrical and electronic products - Part 2: Test method Test Ka: Salt spray GB/T 2828.1-2012 Counting sampling inspection procedure Part 1: Batch-by-batch inspection sampling retrieved by acceptance quality limit (AQL) plan GB/T 2829-2002 Sampling procedure and table for periodic inspection counting (applicable to inspection of process stability) JB/T 8226.7-1999 Coated beam splitter film for optical parts

3 Terms and Definitions

The following terms and definitions apply to this document:

An incident light directional reflection device for physical evidence inspection and shooting:

4 Normal working conditions

The use of criminal directional mirrors shall comply with the following regulations:

a) Ambient temperature: -25°C~50°C;

b) Relative humidity: less than 85%;

c) Atmospheric pressure: 86kPa~106kPa:

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5 Technical Requirements

5.1

Appearance

5.1.1

The surface of the mirror body should be smooth, without scratches, cracks, rust spots or stains:

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