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

GB/T 28031-2011

**Information technology -- Office equipment -- Minimum
information to be specified for image scanners**

信息技术 办公设备 图像扫描设备规格表中包含的最基本内容

(English Translation)

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Foreword

This standard is identical with ISO/IEC 14473. the 1999 "Information technology - Office equipment image scanning device to be included in specification sheets Basic Content "(in English).

The Standard and ISO/IEC 14473:1999 compared, there is a difference.

--- In Chapter 2, an increase of standards as normative references;

--- Increased "48bit/pixel" in articles 5.2.1.1.

The standard proposed by China Machinery Industry Federation.

This standard by the national copying machine Standardization Technical Committee (SAC/TC147) centralized.

Appendix A of this standard is an informative annex.

1 Scope

The purpose of this standard is to facilitate users to choose their own desired image scanner. This standard specifies the manufacturer shall Scanner Specifications

Table contains basic content.

This standard applies to the average end user. For this reason, this standard does not specify double-sided scanning with specialized features all specifications or high-speed scanner, the scanner in order to ensure product information (content) conformance specification, this International Standard enables end users to the machine Functional and performance characteristics of a meaningful comparison. This standard also provides the most meaningful and list functions and performance parameters and provides resistance Determination of energy.

This standard also applies to the currently most popular types of scanner, including the scanning engine (light machine physical devices) and basic diagram Image processing (digital signal processing these outputs include coded gray, or non-coding single-digit positive half-tone signal). It should be advanced Processing applications such as OCR, text translation, specifications vector conversion is not required. While the standard specified scanner hardware, but because the scanner uses software and/or hardware together to achieve some of the scanner function and control, so this standard also includes a number of software-related article paragraph. Manufacturers have the right to add additional features available in the specifications described in the table. This standard without regard to image quality, not to mention or for the use of the beta.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 4943 Safety of Information Technology Equipment (GB 4943-2001, eqv IEC 60950:1999) GB 9254 Radio Disturbance Limits and methods of information technology equipment (GB 9254-2008, IEC/CISPR22:2006, IDT) GB 17625.1 Electromagnetic Compatibility Limits for harmonic current emissions (equipment input current $\leq 16A$) (GB 17625.1-2003, IEC 61000-3-2:2001, IDT) GB/T 17618-1998 Information technology equipment - Immunity characteristics - Limits and methods of measurement GB/T 18313-2001 Measurement of airborne noise acoustic information technology and telecommunications equipment (idt ISO 7779:1999 (E)) ISO 9295. 1988 Acoustics computer and business equipment emits high-frequency noise measurement ISO 9296. 1988 Acoustics computer and business equipment nominal noise emission values

3 Conformance Requirements

Specifications shall be given the order table lists all items with machine-related provisions of Chapter 5 in accordance with this standard.

4 Test and measurement conditions

Unless otherwise noted, all tests and measurements shall be carried out under the following conditions.

Temperature. 18 °C ~ 25 °C;

Relative Humidity. 30% to 70%;

Voltage. Rated input voltage;