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**Optics and photonics — Minimum  
requirements for stereomicroscopes —**

**Part 1:  
Stereomicroscopes for general use**

*Optique et photonique — Exigences minimales pour les  
stéréomicroscopes —*

*Partie 1: Stéréomicroscopes à usage général*



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Published in Switzerland

## Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11884-1 was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 5, *Microscopes and endoscopes*.

This second edition cancels and replaces the first edition (ISO 11884-1:1998), which has been technically revised.

ISO 11884 consists of the following parts, under the general title *Optics and photonics — Minimum requirements for stereomicroscopes*:

- *Part 1: Stereomicroscopes for general use*
- *Part 2: High performance microscopes*

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# Optics and photonics — Minimum requirements for stereomicroscopes —

## Part 1: Stereomicroscopes for general use

### 1 Scope

This part of ISO 11884 specifies minimum requirements for stereomicroscopes used mainly for visual observation for general use.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9022-1, *Optics and optical instruments — Environmental test methods — Part 1: Definitions, extent of testing*

ISO 9022-2, *Optics and optical instruments — Environmental test methods — Part 2: Cold, heat and humidity*

ISO 9022-3, *Optics and optical instruments — Environmental test methods — Part 3: Mechanical stress*

ISO 10934-1, *Optics and optical instruments — Vocabulary for microscopy — Part 1: Light microscopy*

ISO 11883, *Optics and optical instruments — Microscopes — Marking of stereomicroscopes*

ISO 15227, *Optics and optical instruments — Microscopes — Testing of stereomicroscopes*

IEC 61010-1, *Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements*

CIE 10526, *CIE Standard Illuminants for Colorimetry*

### 3 Terms and definitions

For the purposes of this part of ISO 11884, the terms and definitions given in ISO 10934-1 apply.

### 4 Requirements

The following are minimum requirements.

#### 4.1 Optical and mechanical specifications

The specifications given in Table 1 shall apply.

Testing shall be done in accordance with 5.1.