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Second edition
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Optics and photonics — Vocabulary for telescopic systems —

Part 1: General terms and alphabetical indexes of terms in ISO 14132

*Optique et photonique — Vocabulaire relatif aux systèmes
télescopiques —*

*Partie 1: Termes généraux et index alphabétiques des termes dans
l'ISO 14132*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword — Supplementary information](#).

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 4, *Telescopic systems*.

This second edition cancels and replaces the first edition (ISO 14132-1:2002), which has been technically revised with the following changes:

- a) the term “telescopic system” has been introduced replacing the term “telescope” where appropriate;
- b) the useful magnification (4.2.12) is now identified by Γ ;
- c) telescopic acuity of vision ν' is now given in minutes of arc;
- d) two new symbols were added to the term veiling glare index (4.2.27): Φ_B (luminous flux of black object on the white background) and Φ_W (luminous flux caused by the white background);
- e) two new terms were added: “zoom ratio” (4.2.30) and “zoom range” (4.2.31);
- f) the term “teleobjective” (4.3.5) has been replaced by “telephoto lens”.

ISO 14132 consists of the following parts, under the general title *Optics and photonics — Vocabulary for telescopic systems*:

- Part 1: *General terms and alphabetical indexes of terms in ISO 14132*
- Part 2: *Terms for binoculars, monoculars and spotting scopes*
- Part 3: *Terms for telescopic sights*
- Part 4: *Terms for astronomical telescopes*
- Part 5: *Terms for night vision devices*