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IEC 63145-21-20

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PRE-RELEASE VERSION (FDIS)

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Eyewear display –
Part 21-20: Specific measuring methods for VR image quality – Screen door effect

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TITLE:

Eyewear display - Part 21-20: Specific measuring methods for VR image quality - Screen Door Effect

PROPOSED STABILITY DATE: 2027

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EYEWEAR DISPLAY –

Part 21-20: Specific measurement methods for VR image quality – Screen door effect

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IEC 63145-21-20 has been prepared by IEC technical committee 110: Electronic displays. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
110/XX/FDIS	110/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 63145 series, published under the general title *Eyewear display*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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- replaced by a revised edition, or
- amended.

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EYEWEAR DISPLAY –

Part 21-20: Specific measurement methods for VR image quality – Screen door effect

1 Scope

This part of IEC 63145 specifies the standard measurement conditions and measurement methods for determining the screen door effect (SDE), which is one of the image quality aspects of eyewear displays of virtual reality (VR) type.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 63145-1-2[1], *Eyewear display – Part 1-2: Generic – Terminology*

IEC 63145-20-10:2019, *Eyewear display – Part 20-10: Fundamental measurement methods – Optical properties*

IEC 63145-20-20, *Eyewear display – Part 20-20: Fundamental measurement methods – Image quality*

[1] Under preparation. Stage at the time of publication: IEC FDIS 63145-1-2:2022.