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Eyewear display – Part 20-20: Fundamental measurement methods – Image quality

INTERNATIONAL
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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms, definitions, abbreviated terms and letter symbols.....	6
3.1 Terms and definitions.....	6
3.2 Abbreviated terms.....	7
3.3 Letter symbols (quantity symbols/unit symbols).....	7
4 Standard measurement conditions.....	7
4.1 Standard environmental conditions	7
4.2 Power supply	7
4.3 Warm-up time	8
4.4 Dark room conditions	8
5 Measurement systems.....	8
5.1 Standard coordinate system.....	8
5.2 Measurement equipment.....	9
5.2.1 Light measuring device (LMD)	9
5.2.2 Stage conditions	11
5.2.3 Setup conditions	11
5.3 Test patterns.....	13
5.3.1 General	13
5.3.2 Checkerboard pattern	13
5.3.3 Solid colour patterns.....	13
5.3.4 Test patterns for Michelson contrast.....	13
5.4 Measurement points.....	14
6 Measurement methods for image quality.....	15
6.1 General.....	15
6.2 Preparation	15
6.3 Distortion	15
6.3.1 General	15
6.3.2 Procedure.....	16
6.3.3 Calculation	17
6.3.4 Report	18
6.4 Colour registration error	18
6.4.1 General	18
6.4.2 Procedure.....	18
6.4.3 Calculation	19
6.4.4 Report	19
6.5 Michelson contrast.....	19
6.5.1 General	19
6.5.2 Procedure.....	19
6.5.3 Calculation	20
6.5.4 Report	20
6.6 Focal distance (diopetre)	20
6.6.1 General	20
6.6.2 Procedure.....	21
6.6.3 Calculation	22

6.6.4	Report	22
6.7	FOV based on Michelson contrast.....	22
6.7.1	General	22
6.7.2	Procedure.....	22
6.7.3	Calculation	23
6.7.4	Report	23
6.8	Eye-box based on Michelson contrast	23
6.8.1	General	23
6.8.2	Procedure.....	23
6.8.3	Calculation	24
6.8.4	Report	25
	Bibliography.....	26
	Figure 1 – Spherical coordinate system	9
	Figure 2 – Three-dimensional Cartesian coordinate system	9
	Figure 3 – Example of LMD structure	10
	Figure 4 – Examples of measurement setup.....	12
	Figure 5 – Example of 5 x 5 checkerboard pattern	13
	Figure 6 – Example of Michelson contrast test pattern	14
	Figure 7 – Measuring points for the centre- and multi-point measurement.....	14
	Table 1 – Letter symbols (symbols for quantities, and units)	7

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FOREWORD

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International Standard IEC 63145-20-20 has been prepared by IEC technical committee TC 110: Electronic displays.

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

FDIS	Report on voting
110/1110/FDIS	110/1139/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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 "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

EYEWEAR DISPLAY –

Part 20-20: Fundamental measurement methods – Image quality

1 Scope

This part of IEC 63145 specifies the standard measurement conditions and measurement methods for determining the image quality of eyewear displays. This document is applicable to non-see-through type (virtual reality “VR” goggle) and see-through type (augmented reality “AR” glasses) eyewear displays using virtual image optics.

Contact-lens type displays and retina direct projection displays are out of the scope of this document.

NOTE See IEC TR 63145-1-1 [1]¹ for eyewear displays, ISO 9241-302:2008, 3.5.45, for see-through types.

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 63145-20-10:–², *Eyewear display – Part 20-10: Fundamental measuring methods – Optical properties*

ISO 9241-302:2008, *Ergonomics of human-system interaction – Part 302: Terminology for electronic visual displays*

¹ Numbers in square brackets refer to the Bibliography.

² Under preparation. Stage at the time of publication: IEC FDIS 63145-20-10:2019.