

INTERNATIONAL STANDARD

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Plasma display panels –

Part 2-4: Measuring methods – Visual quality: Image artifacts

Panneaux d'affichage à plasma –

Partie 2-4: Méthodes de mesure – Qualité visuelle: Artéfacts d'image





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Visual quality: Image artifacts****FOREWORD**

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The text of this standard is based on the following documents:

FDIS	Report on voting
110/260/CDV	110/297/RVC

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

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

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PLASMA DISPLAY PANELS –

Part 2-4: Measuring methods – Visual quality: Image artifacts

1 Scope

This part of IEC 61988 determines the measuring methods for characterizing the performance of plasma display panel (PDP) modules in the following areas:

- a) viewing angle;
- b) image streaking;
- c) flicker;
- d) moving picture resolution.

2 Normative references

The following referenced documents are indispensable for the application of these standards. For standards with explicit dates, only the edition cited applies. For standards references, the latest edition of the referenced standard (including any amendments) applies.

IEC 60068-1:1988, *Environmental testing – Part 1: General and guidance*

IEC 60107-1:1997, *Methods of measurement on receivers for television broadcast transmissions – Part 1: General considerations – Measurements at radio and video frequencies*

IEC 61988-1:2003, *Plasma display panels – Part 1: Terminology and letter symbols*

IEC 61988-2-1:2002, *Plasma display panels – Part 2-1: Measuring methods – Optical*

IEC 61988-2-2:2003, *Plasma display panels – Part 2-2: Measuring methods – Optoelectrical*

CIE 15:2004, *Colorimetry, 3rd Edition*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61988-1, IEC 60068-1, and IEC 60107-1, as well as the following apply.

3.1

viewing angle

angular range over which a display can be viewed with acceptable specified visual performance

NOTE This document specifies two types of viewing angle regarding the viewing direction, such as horizontal and vertical.

3.2

half luminance viewing angle

viewing angle over which the luminance is equal or higher than half of the luminance measured at the angle perpendicular to the screen