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Standards

Irish Standard  
I.S. EN 62629-22-1:2013

3D display devices -- Part 22-1:  
Measuring methods for  
autostereoscopic displays - Optical (IEC  
62629-22-1:2013 (EQV))

## I.S. EN 62629-22-1:2013

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**EN 62629-22-1**

NORME EUROPÉENNE

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English version

**3D display devices -  
Part 22-1: Measuring methods for autostereoscopic displays -  
Optical  
(IEC 62629-22-1:2013)**

Dispositifs d'affichage 3D -  
Partie 22-1 : Méthodes de mesure des  
écrans autostéréoscopiques -  
Optique  
(CEI 62629-22-1:2013)

3D-Anzeigen -  
Teil 22-1: Messverfahren für auto-  
stereoskopische Anzeigen -  
Optisch  
(IEC 62629-22-1:2013)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## Foreword

The text of document 110/428/FDIS, future edition 1 of IEC 62629-22-1, prepared by IEC/TC 110 "Electronic display devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62629-22-1:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-12-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-03-13

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61747-6:2004	NOTE	Harmonised as EN 61747-6:2004 (not modified).
IEC 62341-6-1:2009	NOTE	Harmonised as EN 62341-6-1:2011 (not modified).
ISO 9241-302:2008	NOTE	Harmonised as EN ISO 9241-302:2008 (not modified).
ISO 9241-305:2008	NOTE	Harmonised as EN ISO 9241-305:2008 (not modified).
ISO 9241-306:2008	NOTE	Harmonised as EN ISO 9241-306:2008 (not modified).

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62629-1-2 <sup>1)</sup>	-	3D Display devices - Part 1-2: Generic - Terminology and letter symbols	EN 62629-1-2 <sup>1)</sup>	-
CIE 15	2004	Colorimetry	-	-
CIE 69	1987	Methods of characterizing illuminance meters and luminance meters	-	-

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<sup>1)</sup> At draft stage.

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## 3D DISPLAY DEVICES –

Part 22-1: Measuring methods for autostereoscopic displays –  
Optical

## FOREWORD

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International Standard IEC 62629-22-1 has been prepared by IEC technical committee 110: Electronic display devices.

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

FDIS	Report on voting
110/428/FDIS	110/455/RVD

Full information on the voting for the approval of 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.

A list of all the parts in the IEC 62629 series, under the general title *3D display devices*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

## 3D DISPLAY DEVICES –

### Part 22-1: Measuring methods for autostereoscopic displays – Optical

#### 1 Scope

This part of IEC 62629-22 specifies optical measuring methods for autostereoscopic display devices. It defines general measuring procedures for optical characteristics of two-view and multi-view displays and integral imaging displays.

#### 2 Normative references

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

IEC 62629-1-2, *3D display devices – Part 1-2: Generic – Terminology and letter symbols*<sup>1</sup>

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

CIE 69:1987, *Methods of characterizing illuminance meters and luminance meters*

#### 3 Terms, definitions and abbreviations

##### 3.1 Terms and definitions

For the purpose of this document, the terms and definitions given in IEC 62629-1-2 apply.

##### 3.2 Abbreviations

For the purposes of this document, the following abbreviations apply.

Abbreviation	Definition
CCD	charge-coupled device
DVD	designed viewing distance
FWHM	full width half maximum
FWTQM	full width at three-quarter maximum
LMD	light measuring device

<sup>1</sup> To be published.

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