

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**3D display devices –
Part 1-2: Generic – Terminology and letter symbols**

**Dispositifs d'affichage 3D –
Partie 1-2: Généralités – Terminologie et symboles littéraux**



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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Terms and definitions.....	5
2.1 General terms.....	5
2.2 Terms related to components.....	6
2.3 Terms related to performance specifications.....	7
Annex A (informative) Definition guideline for terms which include “image”, “view” or “vision”.....	9
Annex B (informative) Classification of 3D display types.....	12
Annex C (informative) Relation between depth perception and 3D display.....	14
Annex D (informative) Lobe.....	15
Bibliography.....	16
Figure A.1 – Difference between “image” and “view”.....	9
Figure A.2 – Structure of multi-view display.....	10
Figure A.3 – Stereoscopic images and stereoscopic views.....	11
Figure B.1 – Classification of 3D display.....	13
Figure C.1 – Depth perception and 3D display.....	14
Figure D.1 – Lobe of autostereoscopic display.....	15

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

3D DISPLAY DEVICES –**Part 1-2: Generic –
Terminology and letter symbols**

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International Standard IEC 62629-1-2 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
110/470/FDIS	110/479/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

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3D DISPLAY DEVICES –

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1 Scope

This part of IEC 62629 provides a list of the terminologies that are frequently used in describing 3D display technologies in the IEC 62629 series. Terms for various 3D display technologies on stereoscopic, autostereoscopic, volumetric, and holographic displays are included.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1 General terms

2.1.1

3D display

display device giving depth perception with physiological depth cues

Note 1 to entry: Physiological depth cues include accommodation, convergence, binocular parallax, and motion parallax. The 3D display provides users with all or some of the physiological depth cues so that they can perceive depth. Physiological depth cues should be distinguished from pictorial depth cues which can also be provided by the usual 2D displays. Pictorial depth cues are features in an image that give a hint of the depth. Examples of pictorial depth cues are texture gradient, shadow, occlusion, and vanishing lines.

2.1.2

stereoscopic display

3D display providing binocular parallax

Note 1 to entry: See “autostereoscopic display”. For classification of the 3D displays, see Annex B.

2.1.3

autostereoscopic display

stereoscopic display that requires no viewing aids

Note 1 to entry: See “stereoscopic display”. For classification of the 3D displays, see Annex B.

2.1.4

two-view display

two-view autostereoscopic display

autostereoscopic display providing one stereoscopic view

Note 1 to entry: See “multi-view display”.

2.1.5

multi-view display

multi-view autostereoscopic display

autostereoscopic display providing multiple stereoscopic views

Note 1 to entry: See “two-view display”.