

TECHNICAL REPORT



Electronic displays – Part 2-4: Transparent displays – Overview of application scenarios



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Electronic displays – Part 2-4: Transparent displays – Overview of application scenarios

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Overview of application scenarios****FOREWORD**

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IEC TR 62977-2-4, which is a Technical Report, has been prepared by IEC technical committee 110: Electronic display devices.

The text of this Technical Report is based on the following documents:

Enquiry draft	Report on voting
110/972/DTR	110/988A/RVDTR

Full information on the voting for the approval of this technical report 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 62977 series, published under the general title *Electronic displays*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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

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ELECTRONIC DISPLAYS –

Part 2-4: Transparent displays – Overview of application scenarios

1 Scope

This part of IEC 62977, which is a Technical Report, provides a comprehensive overview of application scenarios for transparent displays of the two major display technologies (liquid crystal (LC) and organic light emitting diode (OLED) displays) and introduces the observation and illumination aspects that are taken into account for the establishment of appropriate measurement methods.

This document only considers direct view displays, it does not include projection displays (eye-projection and projection to screens.)

2 Normative references

There are no normative references in this document.

3 Terms, definitions and abbreviated terms

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 Terms and definitions

3.1.1

AR

augmented reality

overlay of real objects and scenes with artificial visual information

3.1.2

intended visual information

visual information to be presented intentionally

Note 1 to entry: Visual information that is not intended can sometimes be observed, for example reflection of ambient images.

3.1.3

unwanted contributions from ambient light

visual information that is unintentionally generated (by e.g. reflection of ambient light sources) and superimposed over the intended visual information, thus creating disturbing visual effects