SLOVENSKI STANDARD
SIST EN IEC 63181-2:2021

01-april-2021

Zaslonska oprema LCD z več zasloni - 2. del: Merilne metode (IEC 63181-2:2020)

LCD multi-screen display terminals - Part 2: Measuring methods (IEC 63181-2:2020)

LCD Multi-screen Anzeigeterminals - Teil 2: Messverfahren (IEC 63181-2:2020)

Terminaux d'affichage à plusieurs écrans LCD - Partie 2: Méthodes de mesure (IEC 63181-2:2020)

Ta slovenski standard je istoveten z: **EN IEC 63181-2:2020**

ICS:

33.160.60	Večpredstavni (multimedijski) sistemi in oprema za telekonference	Multimedia systems and teleconferencing equipment

SIST EN IEC 63181-2:2021 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63181-2

July 2020

ICS 31.120

English Version

LCD multi-screen display terminals - Part 2: Measuring methods (IEC 63181-2:2020)

Terminaux d'affichage à plusieurs écrans LCD - Partie 2: Méthodes de mesure (IEC 63181-2:2020)

LCD Multi-screen Anzeigeterminals - Teil 2: Messverfahren (IEC 63181-2:2020)

This European Standard was approved by CENELEC on 2020-07-16. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 100/3413/FDIS, future edition 1 of IEC 63181-2, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63181-2:2020.

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) 2021-04-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-16

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 63181-2:2020 was approved by CENELEC as a European Standard without any modification.

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

IEC 60107-1:1997	NOTE	Harmonized as EN 60107-1:1997 (not modified)
IEC 61747-30-1:2012	NOTE	Harmonized as EN 61747-30-1:2012 (not modified)

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC/TS 63181-1	-	LCD multi-screen display terminals - Part 1: Conceptual model	-	-

IEC 63181-2

Edition 1.0 2020-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

LCD multi-screen display terminals –
Part 2: Measuring methods

Terminaux d'affichage à plusieurs écrans LCD –
Partie 2: Méthodes de mesure

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CONTENTS

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LCD MULTI-SCREEN DISPLAY TERMINALS –

Part 2: Measuring methods

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 63181-2 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/3413/FDIS	100/3441/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 63181 series, published under the general title *LCD multi-screen display terminals*, 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.

LCD MULTI-SCREEN DISPLAY TERMINALS –

Part 2: Measuring methods

1 Scope

This part of IEC 63181 specifies measuring methods for LCD multi-screen display terminals. To evaluate the characteristics of LCD multi-screen display terminals, the following measurement items are specified:

– gap (physical, optical): detailed splicing precision;
– splicing deviation: splicing accuracy of active areas of LCD splicing screen;
– installation deviation: the flatness of terminal surfaces in vertical and horizontal directions;
– luminance uniformity: luminance uniformity of adjacent LCD units;
– chromatic uniformity: chromatic uniformity of adjacent LCD units.

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 TS 63181-1, *LCD multi-screen display terminals – Part 1: Conceptual model*

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in IEC TS 63181-1 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

4 Measuring conditions

4.1 Standard measuring environmental conditions

Measurements shall be carried out under the following standard environmental conditions:

- Temperature: (25 ± 3) °C;
- Relative humidity: 25 % RH to 85 % RH;
- Atmospheric pressure: 86 kPa to 106 kPa;
- Illuminance range: ≤ 1 lx.

When different environmental conditions are applied, they shall be noted in the measurement report.