PD IEC TS 63181-1:2019

BSI Standards Publication

LCD multi-screen display terminals

Part 1: Conceptual model

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio-visual equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2020

ISBN 978 0 580 99779 2

ICS 31.120

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 January 2020.

Amendments/corrigenda issued since publication

Date	Text affected

IEC TS 63181-1

Edition 1.0 2019-12

TECHNICAL SPECIFICATION

colour inside

LCD multi-screen display terminals – Part 1: Conceptual model

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ICS 31.120

ISBN 978-2-8322-7720-1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC TS 63181-1, which is a technical specification, has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
100/3243/DTS	100/3295/RVDTS

Full information on the voting for the approval of this technical specification 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- withdrawn,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.

A bilingual version of this publication may be issued at a later date.

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LCD MULTI-SCREEN DISPLAY TERMINALS –

Part 1: Conceptual model

1 Scope

This part of IEC 63181 specifies a conceptual model for LCD multi-screen display terminals. This document defines typical functional components to compose LCD multi-screen display terminals and describes the terminals' structure and signal flow. The document also defines signal processing in the terminals to create multi-screen sub-signals from a single video signal input.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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
LCD unit
LCD device that can display input signals independently

3.2
optical gap
gap between the boundaries of two adjacent active area units in the LCD multi-screen display terminals

Note 1 to entry: Unit: mm.

3.3
physical gap
gap between the sides of two adjacent screen units sides in the LCD multi-screen display terminals

Note 1 to entry: Unit: mm.

3.4
splicing processors
signal processing unit to break up original input signal into sub-signals, and assigning those sub-signals to LCD splicing screens according to the customer's requirement(s)

3.5
LCD splicing screen
screen composed of a single/multiple/many LCD unit(s) to form the m-by-n LCD unit matrix