

Digital cinema (D-cinema) distribution master

Part 9: Image pixel structure level 3 — Serial digital interface signal formatting

ICS 35.040; 37.060.99

National foreword

This British Standard is the UK implementation of ISO 26428-9:2009.

The UK participation in its preparation was entrusted to Technical Committee CPW/36, Cinematography.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2010
© BSI 2010

ISBN 978 0 580 64819 9

Amendments/corrigenda issued since publication

Date	Comments

INTERNATIONAL STANDARD

ISO
26428-9

First edition
2009-12-15

Digital cinema (D-cinema) distribution master —

Part 9: Image pixel structure level 3 — Serial digital interface signal formatting

Souche de la distribution du cinéma numérique (cinéma D) —

*Partie 9: Structure de pixel d'image de niveau 3 — Formatage
périodique de signal d'interface numérique*



Reference number
ISO 26428-9:2009(E)

AVA Documents
Document Sharing Hub
© ISO 2009

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 26428-9 was prepared by the Society of Motion Picture and Television Engineers (as SMPTE 428-9-2008) and was adopted, under a special “fast-track procedure”, by Technical Committee ISO/TC 36, *Cinematography*, in parallel with its approval by the ISO member bodies.

ISO 26428 consists of the following parts, under the general title *Digital cinema (D-cinema) distribution master*:

- *Part 1: Image characteristics* [equivalent to SMPTE 428-1]
- *Part 2: Audio characteristics* [equivalent to SMPTE 428-2]
- *Part 3: Audio channel mapping and channel labeling* [equivalent to SMPTE 428-3]
- *Part 9: Image pixel structure level 3 — Serial digital interface signal formatting* [equivalent to SMPTE 428-9]

The following part is under preparation:

- *Part 7 Subtitle* [equivalent to SMPTE 428-7]

Introduction

This part of ISO 26428 comprises SMPTE 428-9-2008 and Annex ZZ (which provides equivalences between ISO standards and SMPTE standards referenced in the text).

SMPTE STANDARD

D-Cinema Distribution Master —
Image Pixel Structure Level 3 —
Serial Digital Interface Signal Formatting



Table of Contents	Page
Foreword	2
1 Scope	3
2 Conformance Notation	3
3 Normative References	3
4 SDI Image Data Format Constraints.....	4
5 Virtual Interface Data Format.....	5
Annex A Ancillary Data (Normative)	8
Annex B Progressive Segmented Frame System (Normative).....	9
Annex C Bibliography (Informative)	10
Annex D Document Road Map (Informative).....	11