SLOVENSKI STANDARD

SIST EN 60774-5:2006

januar 2006

Videokasetni sistem z zapisovanjem s poševnimi sledmi na magnetnem traku s širino 12,65 mm (0,5 in) vrste VHS – 5. del: D-VHS (IEC 60774-5:2004)

(istoveten EN 60774-5:2004)

Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS – Part 5: D-VHS (IEC 60774-5:2004)

ICS 33.160.40

Referenčna številka
SIST EN 60774-5:2006(en)

EUROPEAN STANDARD **EN 60774-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM October 2004

ICS 33.160.40

English version

Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS Part 5: D-VHS

(IEC 60774-5:2004)

Système de magnétoscope à cassette à balayage hélicoïdal utilisant la bande magnétique de 12,65 mm (0,5 in) format VHS Partie 5: D-VHS (CEI 60774-5:2004)

Videoband-Kassettensystem mit Schrägspuraufzeichnung auf Magnetband 12,65 mm (0,5 in) VHS-Format Teil 5: D-VHS (IEC 60774-5:2004)

This European Standard was approved by CENELEC on 2004-09-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 60774-5:2004, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 60774-5 on 2004-09-01 without any modification.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-09-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-09-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 60774-5:2004 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60774-1	1994	Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS Part 1: VHS and compact VHS video cassette system	EN 60774-1	1994
IEC 60774-3	1993	Part 3: S-VHS	EN 60774-3	1993
ISO/IEC 11172-3	1993	Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s Part 3: Audio	-	-
ISO/IEC 13818-1	2000	Information technology - Generic coding of moving pictures and associated audio information Part 1: Systems	-	-
ISO/IEC 13818-2	2001	Part 2: Video	-	-
ISO/IEC 13818-3	1998	Part 3: Audio	-	-
ISO/IEC 13818-7	1998	Part 7: Advanced Audio Coding (AAC)	-	-
ISO 639-2	1998	Codes for the representation of names of languages Part 2: Alpha-3 code	-	-
ISO 2015	1976	Numbering of weeks	-	-
ISO 3166-1	1997	Codes for the representation of names of countries and their subdivisions Part 1: Country codes	EN ISO 3166-1	1997
ISO 3901	2001	Information and documentation - International Standard Recording Code (ISRC)	-	-
ISO/IEC 8859-1	1998	Information technology - 8-bit single-byte coded graphic character sets Part 1: Latin alphabet No.1	-	-

Publication	Year	Title	EN/HD	Year
ISO/IEC 13818-9	1996	Information technology - Generic coding of moving pictures and associated audio information Part 9: Extension for real time interface for system decoders	-	-
ARIB STD-B5	1996	Data multiplex broadcasting system for the conventional television using the vertical blanking interval	-	-
ARIB STD-B10	2004	Service Information for Digital Broadcasting System	-	-
ARIB STD-B24	2004	Data coding system and transmission specification for digital broadcasting	-	-
ARIB TR-B15	2004	Operational guidelines for digital satellite broadcasting services using broadcasting satellites	-	-
ATSC A/52B	2001	Digital audio Compression (AC-3)	-	-
ATSC A/53B	2001	C Digital Television Standard	-	-
ATSC A/70	2000	Conditional Access System for Terrestrial Broadcast	-	-
EIA 708 B	1999	Digital Television (DTV) closed captioning	-	-
EN 300 468	1998	Digital Video Broadcasting (DVB) - Specification for Service Information (SI) in DVB systems	-	-
ETR 211	1997	Digital Video Broadcasting (DVB); Guidelines on implementation and usage of Service Information (SI)	-	-
ETS 300 743	1997	Digital Video Broadcasting (DVB) - Subtitling systems	-	-
JIS X 208	1997	7-bit and 8-bit double byte coded KANJI sets for information interchange	-	-
PNG Specification	1996	PNG (Portable Network Graphics) Specification/W3C Recommendation	-	-
SMPTE 302M	2002	Television - Mapping of AES3 Data into MPEG-2 Transport Stream	-	-

INTERNATIONAL STANDARD

IEC 60774-5

First edition
2004-04

Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS –

Part 5: D-VHS

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HELICAL-SCAN VIDEO TAPE CASSETTE SYSTEM USING 12,65 mm (0,5 in) MAGNETIC TAPE ON TYPE VHS –

Part 5: D-VHS

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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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights other than those identified above. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60774-5 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

CDV	Report on voting
100/664/CDV	100/748/RVC

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.

IEC 60774 consists of several parts under the general title *Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS:*

Part 1: VHS and compact VHS video cassette system

Part 2: FM audio recording

Part 3: S-VHS

Part 4: S-VHS video cassette system - ET mode

Part 5: D-VHS

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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

HELICAL-SCAN VIDEO TAPE CASSETTE SYSTEM USING 12,65 mm (0,5 in) MAGNETIC TAPE ON TYPE VHS –

Part 5: D-VHS

1 Scope

This part of IEC 60774 applies to the MPEG TS (Transport Stream) packet recording for helical-scan video tape cassette system using 12,65 mm magnetic tape on type VHS.

This standard specifies the cassettes, the tape, the track configuration, the data structure, the recording method and the MPEG TS format for D-VHS.

D-VHS is formatted on the basis of the VHS system, aiming for digital data recording. D-VHS basic format, which is commonly used in various types of data recording application, is specified.

D-VHS records the MPEG TS packets directly compatible with digital broadcast systems.

D-VHS has three recording modes according to the data-rate: STD (Standard), HS (High Speed) and LS (Low Speed/four types), to accommodate various digital broadcasts and needs. MPEG2 recording format for D-VHS including trick play is specified.

The pack format is specified for recording ancillary data, except the MPEG TS packets.

D-VHS MPEG format (ID: MTRM) is specified. D-VHS MPEG format is used for pre-recorded software tape for D-VHS, and self-encoding of analog video and audio signal (for example conventional TV) to MPEG TS packet.

2 Normative references

The following referenced documents are indispensable for the application 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 60774-1:1994, *Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS – Part 1: VHS and compact VHS video cassette system*

IEC 60774-3:1993, *Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS – Part 3: S-VHS*

ISO/IEC 11172-3:1993, *Information technology – Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s – Part 3: Audio*

ISO/IEC 13818-1, *Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems*

ISO/IEC 13818-2, *Information technology – Generic coding of moving pictures and associated audio information – Part 2: Video*

ISO/IEC 13818-3:1998, *Information technology – Generic coding of moving pictures and associated audio information– Part 3: Audio*