
Snemanje - Digitalni videokasetni snemalni sistem z zapisovanjem s poševnimi sledmi na magnetnem traku, širokem 6,35 mm, za splošno uporabo (sistemi 525-60, 625-50, 1125-60 in 1250-50) – 2. del: Format SD za sistema 525-60 in 625-50 (IEC 61834-2:1998)

Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) -- Part 2: SD format for 525-60 and 625-50 systems

iTeh STANDARD PREVIEW

Aufzeichnung - Videokassetten-~~System~~ mit digitaler Schrägsputraufzeichnung auf Magnetband 6,35 mm für den Heimgebrauch (Systeme 525-60, 625-50, 1125-60 und 1250-50) -- Teil 2: SD-Format für die ~~Systeme~~ 525-60 und 625-50

<https://standards.iteh.ai/catalog/standards/sist/0b13c8e5-001c-4a09-8050-6238e43c88d5/sist-en-61834-2-2005>

Enregistrement - Système de magnétoscope numérique à cassette à balayage hélicoïdal utilisant la bande magnétique de 6,35 mm, destiné au grand public (systèmes 525-60, 625-50, 1125-60 et 1250-50) -- Partie 2: Format SD pour les systèmes 525-60 et 625-50

Ta slovenski standard je istoveten z: EN 61834-2:1998

ICS:

33.160.40 Video sistemi Video systems

SIST EN 61834-2:2005

en

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 61834-2:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/0b13c8e5-001c-4a09-8050-6238e43c88d5/sist-en-61834-2-2005>

**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

EN 61834-2

October 1998

ICS 33.160.01

Descriptors: Video equipment, digital technics, magnetoscopes, video recording, sound recording, cassettes for magnetic tapes, magnetic tapes, recording characteristics, dimensions, position (location), interfaces, signal processing, acoustic signals, video signals, data

English version

**Recording - Helical-scan digital video cassette recording system
using 6,35 mm magnetic tape for consumer use
(525-60, 625-50, 1125-60 and 1250-50 systems)
Part 2: SD format for 525-60 and 625-50 systems
(IEC 61834-2:1998)**

Enregistrement - Système de magnétoscope numérique à cassette à balayage hélicoïdal utilisant la bande magnétique de 6,35 mm, destiné au grand public (systèmes 525-60, 625-50, 1125-60 et 1250-50) Partie 2: Format SD pour les systèmes 525-60 et 625-50 (CEI 61834-2:1998)

Aufzeichnung - Videokassettensystem mit digitaler Schrägsputraufzeichnung auf Magnetband 6,35 mm für den Heimgebrauch (Systeme 525-60, 625-50, 1125-60 und 1250-50) Teil 2: SD-Format für die Systeme 525-60 und 625-50 (IEC 61834-2:1998)

This European Standard was approved by CENELEC on 1998-10-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 document 100B/168/FDIS, future edition 1 of IEC 61834-2, prepared by SC 100B, Recording, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61834-2 on 1998-10-01.

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) 1999-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2001-07-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes A, B and ZA are normative and annexes C and D are informative. Annex ZA has been added by CENELEC.

iTeh STANDARD PREVIEW

Endorsement notice

The text of the International Standard IEC 61834-2:1998 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex D, Bibliography, the following notes have to be added for the standards indicated:
<https://standards.iteh.ai/catalog/standards/sist/0b13c8e5-001c-4a09-8050-6238e43c88d5/sist-en-61834-2-2005>

IEC 61883-1 NOTE: Harmonized as EN 61883-1:1998 (not modified).

IEC 61883-2 NOTE: Harmonized as EN 61883-2:1998 (not modified).

Annex ZA (normative)**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60461	1986	Time and control code for video tape recorders	HD 507 S1	1988
IEC 60735	1991	Measuring methods for video tape properties	EN 60735	1991
IEC 60958	1989	Digital audio interface	EN 60958	1990
ITU-R Recommendation BT 601-5	1995	Studio encoding parameters of digital television for standard 4:3 and wide screen 16:9 aspect ratios	SIST EN 61834-2:2005 https://standards.iteh.ai/catalog/standards/sist/0b13c8e5-001c-4a09-8050-0238c43c88d3/sist-en-61834-2-2005	
ITU-R Report 624-4	1990	Characteristics of television systems		

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

SIST EN 61834-2:2005

<https://standards.iteh.ai/catalog/standards/sist/0b13c8e5-001c-4a09-8050-6238e43c88d5/sist-en-61834-2-2005>

NORME INTERNATIONALE INTERNATIONAL STANDARD

**CEI
IEC**

61834-2

Première édition
First edition
1998-08

Enregistrement –

**Système de magnétoscope numérique à cassette
à balayage hélicoïdal utilisant la bande magnétique
de 6,35 mm, destiné au grand public
(systèmes 525-60, 625-50, 1125-60 et 1250-50) –**

iTeh STANDARD PREVIEW

Partie 2:

Format SD pour les systèmes 525-60 et 625-50

[SIST EN 61834-2:2005](#)

<https://standards.iec.ch/icalog/standards/sist/0b13c8e5-001c-4a09-8050-6238e43c88d5/sist-en-61834-2-2005>

**Helical-scan digital video cassette
recording system using 6,35 mm magnetic tape
for consumer use (525-60, 625-50, 1125-60
and 1250-50 systems) –**

Part 2:

SD format for 525-60 and 625-50 systems

© IEC 1998 Droits de reproduction réservés. — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

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 the publisher.

International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

XF

*Pour prix, voir catalogue en vigueur.
For price, see current catalogue*

CONTENTS

	Page
FOREWORD	15
Clause	
1 General	19
1.1 Scope	19
1.2 Normative reference	19
1.3 Definitions, symbols and abbreviations.....	19
1.4 Environment and test conditions	21
1.5 Reference tape.....	21
1.6 Calibration tape	21
1.6.1 Record locations and dimensions	21
1.6.2 Calibration signals	21
1.6.3 Purchase	21
2 Helical recordings	21
2.1 Record location and dimensions	23
2.1.1 The effective area upper edge	23
2.1.2 Record and playback guarantee	23
2.1.3 Overwrite margin (OM)	23
2.1.4 Switching margin for recording amplifiers.....	23
2.1.5 Scanner example	23
3 Programme track data arrangement.....	23
3.1 Introduction	23
3.2 Labelling convention.....	25
3.3 Audio sector.....	25
3.3.1 Structure	25
3.3.2 Sync patterns	25
3.3.3 ID part.....	25
3.3.4 Pre-sync block	SIST EN 61834-2:2005
3.3.5 Post-sync block	https://standards.iteh.ai/catalog/standards/sis/0b13c8c5-001e-4a09-8050-6238e43c88d5/sbt-en-61834-2-2005
3.3.6 Data-sync block	27
3.4 Video sector	27
3.4.1 Structure	27
3.4.2 Sync patterns	27
3.4.3 ID part.....	29
3.4.4 Pre-sync block	29
3.4.5 Post-sync block	29
3.4.6 Data-sync block	29
3.5 Subcode sector.....	29
3.5.1 Structure	29
3.5.2 Sync patterns	29
3.5.3 ID part.....	29
3.5.4 Pre-sync block	29
3.5.5 Post-sync block	29
3.5.6 Data-sync block	29
4 Audio interface	31
5 Video interface	31
6 Audio signal processing	31
6.1 Introduction	31
6.2 Error correction code	31
6.2.1 Inner error correction code	31
6.2.2 Outer error correction code	33
6.3 Randomization pattern	33
6.4 Audio encoding	35
6.4.1 Encoding mode	35
6.4.2 Emphasis	35
6.4.3 Audio error code.....	35
6.4.4 Sample to data byte conversion	35

Clause		Page
6.5	Audio channel allocation	37
6.5.1	Audio block	37
6.5.2	Channel allocation for SD-2ch audio	37
6.5.3	Channel allocation for SD-4ch audio	37
6.6	Frame structure	37
6.6.1	Relative audio-video timing	37
6.6.2	Audio frame processing	37
6.7	Shuffling method	39
6.7.1	48k, 44,1k, 32k modes	39
6.7.2	32k-2ch modes	41
6.8	Audio auxiliary data (AAUX)	41
6.9	Invalid recording	43
7	Video signal processing	43
7.1	Introduction	43
7.2	Error correction code	43
7.2.1	Inner error correction code	43
7.2.2	Outer error correction code	43
7.3	Randomization pattern	45
7.4	Video structure	45
7.4.1	Sampling structure	45
7.4.2	DCT block	45
7.4.3	Macro block	47
7.4.4	Super block	47
7.4.5	Definition of super block number, macro block number and value of the pixel	49
7.4.6	Definition of video segment and compressed macro block	49
7.5	DCT processing	51
7.5.1	DCT mode	51
7.5.2	Weighting	53
7.5.3	Output order	55
7.5.4	Tolerance of DCT with weighting	55
7.6	Quantization	55
7.6.1	Introduction	55
7.6.2	Bit assignment for quantization	55
7.6.3	Class number	55
7.6.4	Initial scaling	55
7.6.5	Area number	57
7.6.6	Quantization step	57
7.7	Variable length coding (VLC)	57
7.8	The arrangement of a compressed macro block	57
7.9	The arrangement of a video segment	59
7.10	Data-sync block and compressed macro block	63
7.11	Video auxiliary data (VAUX)	63
7.12	Invalid recording	65
8	Subcode signal processing	65
8.1	Introduction	65
8.2	Error correction codes	65
8.3	Randomization pattern	67
8.4	ID data	67
8.4.1	FR ID (first half ID)	67
8.4.2	AP3 and APT	67
8.4.3	TAG ID (index ID, skip ID, PP ID)	67
8.4.4	Absolute track number	69
8.4.5	Sync block number	69
8.5	Subcode data	71
8.5.1	Main area and optional area	71
8.5.2	User's tape	71
8.5.3	Pre-recorded tape	73

Clause		Page
8.6	Rewrite of subcode sector.....	73
8.6.1	Rewrite of TAG ID and subcode data.....	73
8.6.2	Insert recording.....	73
8.6.3	Invalid recording of video and/or audio.....	73
9	System data	73
9.1	System data for APT = 000b and APM = 000b.....	73
9.2	Pack structure	75
9.2.1	Fixed length pack	75
9.2.2	Variable length pack.....	75
9.2.3	Pack header.....	75
9.2.4	Error expression.....	75
9.3	Main area and optional area.....	75
9.3.1	Concept of main area and optional area.....	75
9.3.2	Tape	77
9.3.3	MIC	79
9.4	AAUX	79
9.5	VAUX	81
9.6	Subcode	83
9.7	MIC	83
9.8	Title, chapter, part and program.....	83
9.9	Full recording system of horizontal lines.....	83
9.10	Full recording system of teletext	83
9.11	Character information system of consumer digital VCR	83
9.11.1	Full mode	85
9.11.2	Simple mode	85
10	THE STANDARD PREVIEW MIC (memory in cassette).....	87
10.1	Introduction	87
10.2	MIC data structure	87
10.2.1	Main area and optional area	87
10.2.2	Data structure of space 0 N.61834-2:2005	87
10.2.3	Data structure of space 2N.61834-2:2005	87
10.2.4	Data structure of space 4N.61834-2:2005	87
10.2.5	MIC and VCR	87
10.3	Event.....	89
10.3.1	Main event and optional event for space 0	89
10.3.2	Event header pack	89
10.3.3	Examples of pack arrangement for optional events	89
10.3.4	The correlation between OETM events and text events	91
10.3.5	Marker's optional event.....	91
10.4	Warning system for inconsistency	91
10.4.1	ME flag and TT flag	91
10.4.2	Correcting inconsistency	91
10.5	MIC IC.....	93
10.5.1	Electrical characteristics	93
10.5.2	Memory	93
10.5.3	Multiple bytes operation	93
10.5.4	MIC communication protocol	93
11	Data structure for digital interface	95
11.1	Introduction	95
11.2	Data structure.....	95
11.3	DIF sequence	95
11.4	DIF block.....	95
11.4.1	ID part.....	95
11.4.2	Data part.....	97
11.5	Frame period.....	99
11.6	Playback speed	99

	Page
Annex A (normative) DCT-operation precision	229
Annex B (normative) Data through the digital interface.....	233
Annex C (informative) Manufacturers.....	247
Annex D (informative) Bibliography.....	249
Tables	
Table 1 – Sector location from SSA (525-60 system)	103
Table 2 – Sector location from SSA (625-50 system)	103
Table 3 – Scanner example	103
Table 4 – Application ID of area 1 (AP1)	113
Table 5 – Sequence number (525-60 system)	115
Table 6 – Sequence number (625-50 system)	115
Table 7 – Track pair number (525-60 system).....	117
Table 8 – Track pair number (625-50 system)	117
Table 9 – Application ID of area 2 (AP2)	121
Table 10 – Application ID of area 3 (AP3)	123
Table 11 – Randomization pattern used for a pre-sync block and a post-sync block	125
Table 12 – Randomization pattern used for a data-sync block	127
Table 13 – Audio encoding mode in an audio block.....	129
Table 14 – The construction of an audio block	131
Table 15 – Basic channel allocation rule in SD-2ch audio.....	133
Table 16 – Basic channel allocation rule in SD-4ch audio.....	133
Table 17 – The number of audio samples per frame (unlocked mode).....	135
Table 18 – The allowance range of the accumulated difference value between the numbers of audio samples per frame in CH1 and CH2	135
Table 19 – The number of audio samples per frame (locked mode).....	135
Table 20 – The construction of video signal sampling (4:2:2).....	145
Table 21 – Class number and the DCT block	161
Table 22 – An example of the classification for reference.....	161
Table 23 – Quantization step	163
Table 24 – Length of code words	165
Table 25 – Code-words of variable length coding	167
Table 26 – Definition of STA	171
Table 27 – Code-words of the QNO	173
Table 28 – Randomization pattern used for a subcode-sync block	179
Table 29 – Subcode data of the main area and recommended data of the optional area for no optional use (for user's tape)	187
Table 30 – Subcode data of the main area and recommended data of the optional area for no optional use (for pre-recorded tape).....	187
Table 31 – AAUX data of the main area	191
Table 32 – VAUX data of the main area	193
Table 33 – Event header packs	209
Table 34 – Inconsistency status of events by ME flag and TT flag	209
Table 35 – Relation of memory size and applied protocol	209
Table 36 – DIF block type	215
Table 37 – DIF sequence number (525-60 system)	217
Table 38 – DIF sequence number (625-50 system)	217
Table 39 – TIA data in the header section	219
Table 40 – DIF blocks and subcode sync blocks	221
Table 41 – DIF blocks and VAUX data-sync blocks	223
Table 42 – DIF blocks and audio data-sync blocks	225
Table 43 – DIF blocks and compressed macro blocks	227

	Page
Table B.1 – Definition of the symbols	235
Table B.2 – Definition of the additional symbols about the delays	235
Table B.3 – Method of transmitting and recording data of header DIF block	237
Table B.4 – Method of transmitting and recording data of subcode DIF block	239
Table B.5 – Method of transmitting and recording data of VAUX DIF block	241
Table B.6 – Method of transmitting and recording data of AAUX	243
Table B.7 – Method of transmitting and recording data of a video DIF block	245
Table B.8 – Playback or transmitting error for the symbol C	245
 Figures	
Figure 1 – Record location and dimensions	101
Figure 2 – Sector location from SSA	101
Figure 3 – Sector arrangement on helical track (525-60 system)	105
Figure 4 – Sector arrangement on helical track (625-50 system)	107
Figure 5 – Frame and tracks (525-60 system)	109
Figure 6 – Frame and tracks (625-50 system)	109
Figure 7 – Structure of sync blocks in audio sector	111
Figure 8 – ID data in audio sector	111
Figure 9 – Bit assignment of ID code-words	113
Figure 10 – Structure of sync blocks in video sector	119
Figure 11 – ID data in video sector	119
Figure 12 – Structure of sync blocks in subcode sector	121
Figure 13 – ID data in subcode sector	123
Figure 14 – Data and inner parity of a data-sync block	125
Figure 15 – Data and outer parity of a data-sync block for audio sector	125
Figure 16 – The 16-12 compressing rule	129
Figure 17 – Sample to data bytes conversion for 16 bits	131
Figure 18 – Sample to data bytes conversion for 12 bits	131
Figure 19 – Audio shuffling pattern for 525-60 system: 48k mode/44,1k mode/32k mode ...	137
Figure 20 – Audio shuffling pattern for 625-50 system: 48k mode/44,1k mode/32k mode ...	139
Figure 21 – Audio shuffling pattern for 525-60 system: 32k-2ch mode	141
Figure 22 – Audio shuffling pattern for 625-50 system: 32k-2ch mode	143
Figure 23 – Data and outer parity of a data-sync block for video sector	145
Figure 24 – Transmitting samples for 525-60 system	147
Figure 25 – Transmitting samples for 625-50 system	149
Figure 26 – DCT block and the pixel coordinate	151
Figure 27 – The rightmost DCT block in colour difference signal for 525-60 system	151
Figure 28 – DCT block arrangement for 525-60 system	153
Figure 29 – DCT block arrangement for 625-50 system	153
Figure 30 – Macro block and DCT blocks	153
Figure 31 – Super blocks and macro blocks in a frame on TV screen for 525-60 system ...	155
Figure 32 – Super blocks and macro blocks in a frame on TV screen for 625-50 system ...	157
Figure 33 – Macro block order in a super block for 525-60 system	159
Figure 34 – Macro block order in a super block for 625-50 system	159
Figure 35 – The output order of a weighted DCT block	161
Figure 36 – Area numbers	163
Figure 37 – The arrangement of a compressed macro block	171
Figure 38 – The arrangement of a video segment after the bit rate reduction	175
Figure 39 – The video error code	175

Page

Figure 40 – The relation between the compressed macro block number and the data-sync block	177
Figure 41 – Bit assignment for the subcode data and subcode parity.....	179
Figure 42 – Structure of ID data.....	181
Figure 43 – Structure of the absolute track number.....	181
Figure 44 – Recommendation for the recording start position of a tape.....	183
Figure 45 – Numbering of the absolute track number for invalid tracks	183
Figure 46 – Main area and optional area (525-60 system)	185
Figure 47 – Main area and optional area (625-50 system)	185
Figure 48 – The layers of the pack.....	189
Figure 49 – Arrangement of AAUX packs in audio sector	189
Figure 50 – Arrangement of VAUX packs in VAUX sync blocks	191
Figure 51 – The layers of tape	193
Figure 52 – The division of tape	195
Figure 53 – An example of recorded topic data on tape.....	195
Figure 54 – Recording order of topic data	197
Figure 55 – Text unit for simple mode.....	197
Figure 56 – Data structure of space 0	199
Figure 57 – Optional events order of space 0.....	199
Figure 58 – MIC contents of new cassette tape	201
Figure 59 – Examples of pack arrangement for optional events.....	203
Figure 60 – State transition of ME flag and TT flag	205
Figure 61 – Multi-bytes writing operation for the I ² C protocol.....	207
Figure 62 – An example of multi-bytes reading operation for the I ² C protocol	207
Figure 63 – Block diagram on the digital interface	211
Figure 64 – Data structure for transmission.....	211
Figure 65 – Transmission order of DIF blocks in a DIF sequence	213
Figure 66 – ID data in a DIF block	215
Figure 67 – Data in the header section.....	219
Figure 68 – Data in the subcode section IST EN 61834-2:2005	221
Figure 69 – Data in the VAUX section http://VAUX.sectionタルグ/standards/ist/fb13c8e5_001c_4a09_8050-	223
Figure 70 – Data in the audio section 43c88d5/ist-en-61834-2-2005	225
Figure 71 – Data in the video section	227
Figure A.1 – Measurement method of DCT operation precision	231

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**RECORDING – HELICAL-SCAN DIGITAL VIDEO CASSETTE RECORDING
SYSTEM USING 6,35 mm MAGNETIC TAPE FOR CONSUMER USE
(525-60, 625-50, 1125-60 and 1250-50 systems) –**

Part 2: SD format for 525-60 and 625-50 systems

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
*SIST EN 61834-2:2005
https://standards.iec.ch/catalog/standard/SISTEN61834-2:2005/6238e43c88d5/sist-en-61834-2-2005*
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61834-2 has been prepared by subcommittee 100B: Audio, video and multimedia information storage systems, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100B/168/FDIS	100B/180/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

IEC 61834 consists of the following parts, under the general title *Recording – Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems)*

- Part 1:1998, General specifications
- Part 2: SD format for 525-60 and 625-50 systems
- Part 3: HD format for 1125-60 and 1250-50 systems ¹⁾
- Part 4: The pack header table and the contents
- Part 5: The character information system

¹⁾ To be published.

This part 2 describes the specifications for 525-60 and 625-50 systems which are not included in part 1.

Part 1 describes the common specifications which are cassettes, helical recordings, modulation method, magnetization and basic system data.

Part 3 describes the specifications for 1125-60 and 1250-50 systems which are not included in part 1 and part 2.

Part 4 describes the pack header table and the contents of packs which are applicable to the whole recording system of helical-scan digital video cassette.

Part 5 describes the character information system which is applicable to the whole recording system of helical-scan digital video cassette.

For manufacturing SD digital video cassette recording systems, part 1, part 2, part 4 and part 5 are referred to.

For manufacturing HD digital video cassette recording systems, part 1, part 2, part 3, part 4 and part 5 are referred to.

Annexes A and B form an integral part of this standard.

Annexes C and D are for information only.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 61834-2:2005

<https://standards.iteh.ai/catalog/standards/sist/0b13c8e5-001c-4a09-8050-6238e43c88d5/sist-en-61834-2-2005>