

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape – Format D-7 –
Part 2: Compression format**

**Système de magnétoscope numérique à cassette à balayage hélicoïdal à signal compressé utilisant une bande magnétique de 6,35 mm – Format D-7 –
Partie 2: Format de compression**





THIS PUBLICATION IS COPYRIGHT PROTECTED

Copyright © 2005 IEC, Geneva, Switzerland

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 IEC or IEC's member National Committee in the country of the requester.

If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

Droits de reproduction réservés. Sauf indication contraire, 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 la CEI ou du Comité national de la CEI du pays du demandeur.

Si vous avez des questions sur le copyright de la CEI ou si vous désirez obtenir des droits supplémentaires sur cette publication, utilisez les coordonnées ci-après ou contactez le Comité national de la CEI de votre pays de résidence.

IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

Useful links:

IEC publications search - www.iec.ch/searchpub

The advanced search enables you to find IEC publications by a variety of criteria (reference number, text, technical committee,...).

It also gives information on projects, replaced and withdrawn publications. <https://standards.iteh.ai/catalog/standards/sist/c3417ba-dbc7-492f-b2e7>

IEC Just Published - webstore.iec.ch/justpublished

Stay up to date on all new IEC publications. Just Published details all new publications released. Available on-line and also once a month by email.

Electropedia - www.electropedia.org

The world's leading online dictionary of electronic and electrical terms containing more than 30 000 terms and definitions in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary (IEV) on-line.

www.electropedia.org

Customer Service Centre - webstore.iec.ch/csc
If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: csc@iec.ch.

A propos de la CEI

La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des Normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

A propos des publications CEI

Le contenu technique des publications de la CEI est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

Liens utiles:

Recherche de publications CEI - www.iec.ch/searchpub

La recherche avancée vous permet de trouver des publications CEI en utilisant différents critères (numéro de référence, texte, comité d'études,...).

Elle donne aussi des informations sur les projets et les publications remplacées ou retirées.

Just Published CEI - webstore.iec.ch/justpublished

Restez informé sur les nouvelles publications de la CEI. Just Published détaille les nouvelles publications parues. Disponible en ligne et aussi une fois par mois par email.

Electropedia - www.electropedia.org

Le premier dictionnaire en ligne au monde de termes électriques et électroniques. Il contient plus de 30 000 termes et définitions en anglais et en français, ainsi que les termes équivalents dans les langues additionnelles. Egalement appelé Vocabulaire Electrotechnique International (VEI) en ligne.

www.electropedia.org

Service Clients - webstore.iec.ch/csc
Si vous désirez nous donner des commentaires sur cette publication ou si vous avez des questions contactez-nous: csc@iec.ch.



IEC 62071-2

Edition 1.0 2005-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape – Format D-7 –
iTech STANDARD PREVIEW (standards.iteh.ai)
Part 2: Compression format

Système de magnétoscope numérique à cassette à balayage hélicoïdal à signal compressé utilisant une bande magnétique de 6,35 mm – Format D-7 –
Partie 2: Format de compression

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX
XB

ICS 33.160.40

ISBN 978-2-8322-0780-2

Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

CONTENTS

FOREWORD	5
1 Scope	7
2 Normative references	7
3 Abbreviations and acronyms	7
4 Interface	8
4.1 Introduction	8
4.2 Data structure	9
4.3 Header section	12
4.4 Subcode section	15
4.5 VAUX section	20
4.6 Audio section	24
4.7 Video section	30
5 Video compression	32
5.1 Video structure	32
5.2 DCT processing	48
5.3 Quantization	51
5.4 Variable length coding (VLC)	53
5.5 The arrangement of a compressed macro block	56
5.6 The arrangement of a video segment	59
Annex A (informative) Differences between IEC 61834 and IEC 62071-2	64
Annex B (normative) Digital filter for sampling-rate conversion from 4:2:2 to 4:1:1 colour difference signals	65
Annex C (informative) Block diagram of D-7 recorder	66
Bibliography	67
Figure 1 – Block diagram on the digital interface	8
Figure 2 – Data structure of one video frame for 50 Mb/s structure	10
Figure 3 – Data structure of one video frame for 25 Mb/s structure	10
Figure 4 – Data structure of a DIF sequence	11
Figure 5 – Data in the subcode section	16
Figure 6 – Pack in SSYB	17
Figure 7 – Data in the VAUX section	21
Figure 8 – Data in the audio section	24
Figure 9 – conversion of audio sample to audio data bytes	26
Figure 10 – Arrangement of AAUX packs in audio auxiliary data	26
Figure 11 – Transmitting samples of 525/60 system for 4:2:2 compression	34
Figure 12 – Transmitting samples of 625/50 system for 4:2:2 compression	35
Figure 13 – Transmitting samples of 525/60 system for 4:1:1 compression	36
Figure 14 – Transmitting samples of 625/50 system for 4:1:1 compression	37
Figure 15 – DCT block and the pixel coordinates	38

Figure 16 – The rightmost DCT block in colour difference signal for 4:1:1 compression mode	38
Figure 17 – DCT block arrangement for 4:2:2 compression.....	39
Figure 18 – DCT block arrangement for 4:1:1 compression.....	40
Figure 19 – Macro block and DCT blocks for 4:2:2 compression	40
Figure 20 – Macro block and DCT blocks for 4:1:1 compression	40
Figure 21 – Super blocks and macro blocks in one TV frame for 525/60 system for 4:2:2 compression.....	42
Figure 22 – Super blocks and macro blocks in one TV frame for 525/60 system for 4:1:1 compression.....	43
Figure 23 – Super blocks and macro blocks in one TV frame for 625/50 system for 4:2:2 compression.....	44
Figure 24 – Super blocks and macro blocks in one TV frame for 625/50 system for 4:1:1 compression.....	45
Figure 25 – Macro block order in a super block for 4:2:2 compression	47
Figure 26 – Macro block order in a super block for 4:1:1 compression	47
Figure 27 – The output order of a weighted DCT block	50
Figure 28 – Area numbers	52
Figure 29 – Arrangement of a compressed macro block for 4:2:2 compression	56
Figure 30 – The arrangement of a compressed macro block for 4:1:1 compression	57
Figure 31 – The arrangement of a video segment after the bit rate reduction for 4:2:2 compression	62
Figure 32 – The arrangement of a video segment after the bit rate reduction for 4:1:1 compression	63
IEC 62071-2-2005 https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974e51667/iec-62071-2-2005	63
Figure 33 – The video error code.....	63
Figure B.1 – Template for insertion loss frequency characteristics	65
Figure B.2 – Passband ripple tolerance	65
Figure C.1 – Block diagram of D-7 recorder.....	66
Table 1 – ID data of a DIF block	12
Table 2 – Section type.....	13
Table 3 – DIF sequence number (525/60 system)	13
Table 4 – DIF sequence number (625/50 system)	14
Table 5 – DIF block number	14
Table 6 – Data (payload) in the Header DIF block.....	15
Table 7 – SSYB ID	17
Table 8 – Pack header table.....	18
Table 9 – Mapping of packet in SSYB data	18
Table 10 – Mapping of time code pack	19
Table 11 – Mapping of binary group pack	20
Table 12 – Mapping of VAUX pack in a DIF sequence	21
Table 13 – Mapping of VAUX source pack	21
Table 14 – Mapping of VAUX source control pack.....	23
Table 15 – Maping of AAUX pack in a DIF sequence	26
Table 16 – Mapping of AAUX Source pack	27

Table 17 – Mapping of AAUX Source Control pack	28
Table 18 – Video DIF blocks and compressed macro blocks for 50 Mb/s structure – 4:2:2 compression.....	31
Table 19 – Video DIF blocks and compressed macro block for 25 Mb/s structure – 4:1:1 compression	32
Table 20 – Construction of video signal sampling (4:2:2)	33
Table 21 – Class number and the DCT block	51
Table 22 – An example of the Classification for reference.....	51
Table 23 – Quantization step.....	53
Table 24 – Length of codewords.....	54
Table 25 – Codewords for variable length coding	55
Table 26 – Definition of STA.....	57
Table 27 – Codewords of the QNO	58
Table A.1 – Abstract of differences between IEC 61834 and IEC xxxx(Part 2)	64

iTeh STANDARD PREVIEW (standards.iteh.ai)

[IEC 62071-2:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974e51667/iec-62071-2-2005>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HELICAL-SCAN COMPRESSED DIGITAL VIDEO CASSETTE SYSTEM
USING 6,35 mm MAGNETIC TAPE – FORMAT D-7 –****Part 2: Compression format****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.
- 2) The formal decisions or agreements of 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 IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
<https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7>
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 62071-2 has been prepared by technical area 6: Higher data rate storage media, data structures and equipment of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This bilingual version (2013-07) corresponds to the monolingual English version, published in 2005-10.

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

CDV	Report on voting
100/901/CDV	100/985/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.

The French version of this standard has not been voted upon.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 62071 consists of the following parts, under the general title *Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape – Format D-7*:

Part 1: VTR specifications

Part 2: Compression format

Part 3: Data stream format

This part 2 describes the specifications for encoding process and data format for 525i and 625i systems.

Part 1 describes the VTR specifications which are tape, magnetization, helical recording, modulation method and basic system data for video compressed data.

Part 3 describes the specifications for transmission of DV-based compressed video and audio data stream over 270Mb/s and 360 Mb/s serial digital interface.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

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

[IEC 62071-2:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974e51667/iec-62071-2-2005>

HELICAL-SCAN COMPRESSED DIGITAL VIDEO CASSETTE SYSTEM USING 6,35 mm MAGNETIC TAPE – FORMAT D-7 –

Part 2: Compression format

1 Scope

This part of IEC 62071 defines the DV-based data structure for the interface of digital audio, subcode data and compressed video with the following parameters:

525/60 system – 4:1:1 image sampling structure, 25 Mb/s data rate;
 525/60 system – 4:2:2 image sampling structure, 50 Mb/s data rate;
 625/50 system – 4:1:1 image sampling structure, 25 Mb/s data rate;
 625/50 system – 4:2:2 image sampling structure, 50 Mb/s data rate.

This standard does not define the DV compliant data structure for interface, of digital audio, subcode data and compressed video with the following parameters:

625/50 system – 4:2:0 image sampling structure, 25 Mb/s data rate

iTeh STANDARD REVIEW

The compression algorithm and the DIF structure conform to the DV data structure as defined in IEC 61834. Differences between the DV-based data structure defined in this standard and IEC 61834 are shown in Annex A.

[IEC 62071-2:2005](#)

2 Normative references <https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974e51667/iec-62071-2-2005>

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.

ITU-R BT.601-5: 1995, *Studio encoding parameters of digital television for standard 4:3 and wide-screen 16:9 aspect ratios*

AES3-2003: *Serial transmission format for two-channel linearly represented digital audio data*

SMPTE 12M: 1999, *Television, Audio and Film – Time and Control Code*

3 Abbreviations and acronyms

AAUX	Audio auxiliary data
AP1	Audio application ID
AP2	Video application ID
AP3	Subcode application ID
APT	Track application ID
Arb	Arbitrary
AS	AAUX source pack
ASC	AAUX source control pack
B/W	Black and white flag

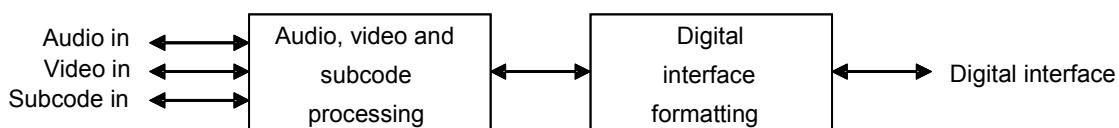
CGMS	Copy generation management system
CM	Compressed macro block
DBN	DIF block number
DCT	Discrete cosine transform
DIF	Digital interface
DRF	Direction flag
Dseq	DIF sequence number
DSF	DIF sequence flag
DV	Identification of a compression family
EFC	Emphasis audio channel flag
EOB	End of block
FR	Identification for the first half or the second half of each channel
FSC	Identification of a DIF block in each channel
LF	Locked mode flag
QNO	Quantization number
QU	Quantization
Res	Reserved for future use
SCT	Section type
SMP	Sampling frequency
SSYB	Subcode sync block
STA	Status of the compressed macro block
STYPE (see Note)	Signal type IEC 62071-2:2005 https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974c51667/iec-62071-2-2005
Syb	Subcode sync block number
TF	Transmitting flag
VAUX	Video auxiliary data
VLC	Variable length coding
VS	VAUX source pack
VSC	VAUX source control pack

NOTE STYPE as used in this standard is different from that in ANSI/IEEE 1394.

4 Interface

4.1 General

As shown in Figure 1, processed audio, video and subcode data, are output for different applications through a digital interface port.



IEC 1905/05

Figure 1 – Block diagram on the digital interface

4.2 Data structure

The data structure of the compressed stream at the digital interface is shown in Figures 2 and 3. Figure 2 shows the data structure for a 50 Mb/s structure, and Figure 3 shows the data structure for a 25 Mb/s structure.

In the 50 Mb/s structure, the data of one video frame are divided into two channels. Each channel is divided into 10 DIF sequences for the 525/60 system and 12 DIF sequences for the 625/50 system.

In the 25 Mb/s structure, the data of one video frame are divided into 10 DIF sequences for the 525/60 system and 12 DIF sequences for the 625/50 system.

Each DIF sequence consists of a header section, subcode section, VAUX section, audio section and video section with the following DIF blocks respectively:

Header section	: 1 DIF block,
Subcode section	: 2 DIF blocks,
VAUX section	: 3 DIF blocks,
Audio section	: 9 DIF blocks,
Video section	: 135 DIF blocks.

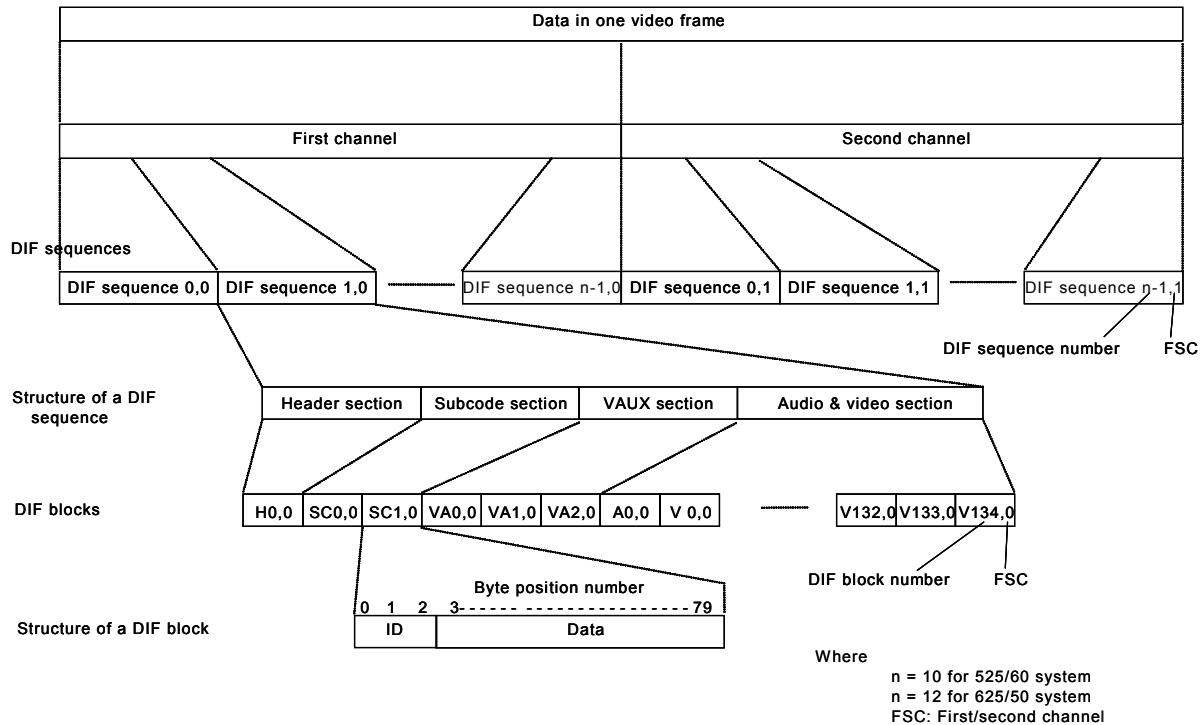
As shown in Figures 2 and 3, each DIF block consists of a 3-byte ID and 77 bytes of data. DIF data bytes are numbered 0 to 79.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Figure 4 shows the data structure of a DIF sequence for a 50 Mb/s or 25 Mb/s structure.

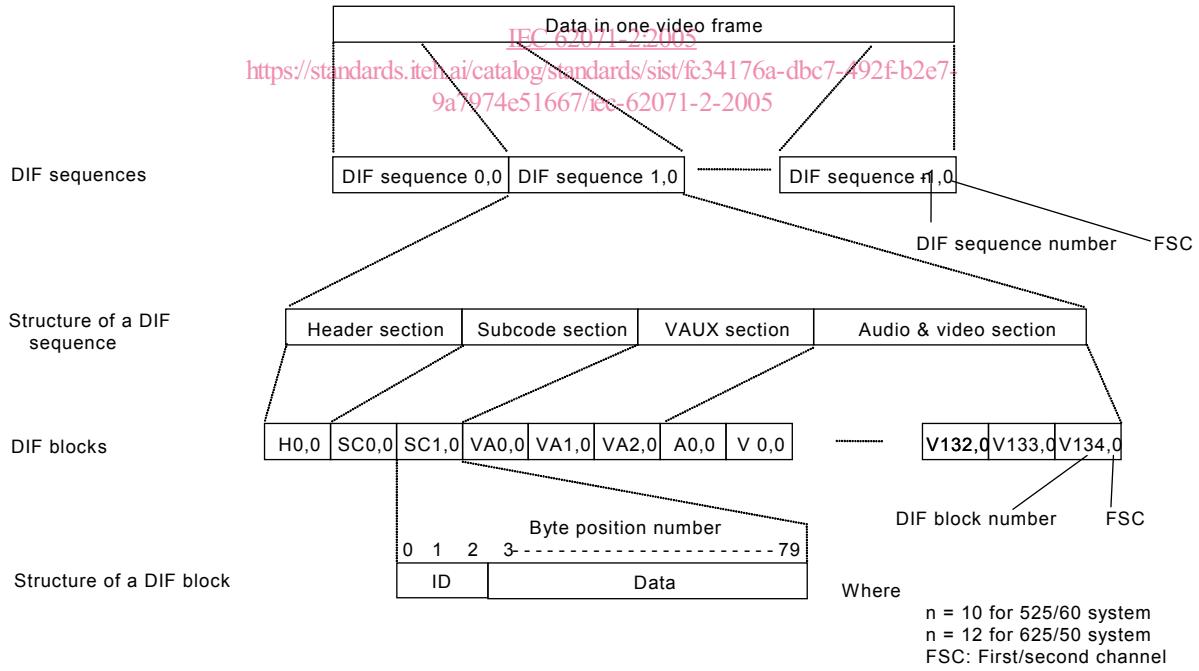
[IEC 62071-2:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974e51667/iec-62071-2-2005>



IEC 1906/05

iTeh STANDARD PREVIEW
**Figure 2 – Data structure of one video frame for 50 Mb/s structure
(standards.iteh.ai)**



IEC 1907/05

Figure 3 – Data structure of one video frame for 25 Mb/s structure

DIF blocks

H0,i	SC0,i	SC1,i	VA0,i	VA1,i	VA2,i
------	-------	-------	-------	-------	-------

A0,i	V0,i	V1,i	V2,i	V3,i	V4,i	V5,i	V6,i	V7,i	V8,i	V9,i	V10,i	V11,i	V12,i	V13,i	V14,i
------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------

A1,i	V15,i	V16,i	V17,i	V18,i	V19,i	V20,i	V21,i	V22,i	V23,i	V24,i	V25,i	V26,i	V27,i	V28,i	V29,i
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

A2,i	V30,i	V31,i	V32,i	V33,i	V34,i	V35,i	V36,i	V37,i	V38,i	V39,i	V40,i	V41,i	V42,i	V43,i	V44,i
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

A3,i	V45,i	V46,i	V47,i	V48,i	V49,i	V50,i	V51,i	V52,i	V53,i	V54,i	V55,i	V56,i	V57,i	V58,i	V59,i
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

A4,i	V60,i	V61,i	V62,i	V63,i	V64,i	V65,i	V66,i	V67,i	V68,i	V69,i	V70,i	V71,i	V72,i	V73,i	V74,i
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

A5,i	V75,i	V76,i	V77,i	V78,i	V79,i	V80,i	V81,i	V82,i	V83,i	V84,i	V85,i	V86,i	V87,i	V88,i	V89,i
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

A6,i	V90,i	V91,i	V92,i	V93,i	V94,i	V95,i	V96,i	V97,i	V98,i	V99,i	V100,i	V101,i	V102,i	V103,i	V104,i
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------

iTeh STANDARD PREVIEW

A7,i	V105,i	V106,i	V107,i	V108,i	V109,i	V110,i	V111,i	V112,i	V113,i	V114,i	V115,i	V116,i	V117,i	V118,i	V119,i
------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

(standards.iteh.ai)

A8,i	V120,i	V121,i	V122,i	V123,i	V124,i	V125,i	V126,i	V127,i	V128,i	V129,i	V130,i	V131,i	V132,i	V133,i	V134,i
------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

IEC 62071-2-2005

<https://standards.iteh.ai/catalog/standards/sist/fc34176a-dbc7-492f-b2e7-9a7974e51667/iec-62071-2-2005>

DIF block number

IEC 1908/05

where

- i : FSC
 - i = 0 for 25 Mb/s structure
 - i = 0,1 for 50 Mb/s structure
- H0,i : DIF block in header section
- SC0,i to SC1,i : DIF blocks in subcode section
- VA0,i to VA2,i : DIF blocks in VAUX section
- A0,i to A8,i : DIF blocks in audio section
- V0,i to V134,i : DIF blocks in video section

Figure 4 – Data structure of a DIF sequence

4.3 Header section

4.3.1 ID

The ID part of each DIF block in the header section, shown in Figures 2 and 3, consists of 3 bytes (ID0, ID1, ID2). Table 1 shows the ID content of a DIF block.

Table 1 – ID data of a DIF block

Byte position number			
	Byte 0 (ID0)	Byte 1 (ID1)	Byte 2 (ID2)
MSB	SCT ₂	Dseq ₃	DBN ₇
	SCT ₁	Dseq ₂	DBN ₆
	SCT ₀	Dseq ₁	DBN ₅
	Res	Dseq ₀	DBN ₄
	Arb	FSC	DBN ₃
	Arb	Res	DBN ₂
	Arb	Res	DBN ₁
LSB	Arb	Res	DBN ₀

iTeh STANDARD PREVIEW

The ID contains the following: (standards.iteh.ai)

- SCT: Section type (see Table 2)
- Dseq: DIF sequence number (see Tables 3 and 4) <https://standards.iteh.ai/catalog/standards/sisv/c34176a-dbc7-492f-b2e7-105>
- FSC: Identification of a DIF block in each channel
 - 50 Mb/s structure
 - FSC = 0: first channel
 - FSC = 1: second channel
 - 25 Mb/s structure
 - FSC = 0
- DBN: DIF block number (see Table 5)
- Arb: Arbitrary bit
- Res: Reserved bit for future use
 - Default value shall be set to 1.

Table 2 – Section type

Section type bit			Section type
SCT ₂	SCT ₁	SCT ₀	
0	0	0	Header
0	0	1	Subcode
0	1	0	VAUX
0	1	1	Audio
1	0	0	Video
1	0	1	Reserved
1	1	0	
1	1	1	

Table 3 – DIF sequence number (525/60 system)

DIF sequence number bit				Meaning
Dseq ₃	Dseq ₂	Dseq ₁	Dseq ₀	
0	0	0	0	DIF sequence number 0
0	0	0	1	DIF sequence number 1
0	0	1	0	DIF sequence number 2
0	0	1	1	DIF sequence number 3
0	1	0	0	DIF sequence number 4
0	1	0	1	DIF sequence number 5
0	1	9a7974e51667dec-62071-22005	0	DIF sequence number 6
0	1	9a7974e51667dec-62071-22005	1	DIF sequence number 7
1	0	0	0	DIF sequence number 8
1	0	0	1	DIF sequence number 9
1	0	1	0	Not used
1	0	1	1	Not used
1	1	0	0	Not used
1	1	0	1	Not used
1	1	1	0	Not used
1	1	1	1	Not used