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**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 4: Pack header table and contents (IEC 61834-4:1998)**

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 4: Pack header table and contents

**Aufzeichnung - Videokassettensystem mit digitaler Schrägspuraufzeichnung auf Magnetband 6,35 mm für den Heimgebrauch (Systeme 525-60, 625-50, 1125-60 und 1250-50) -- Teil 4: Datenpakete - Übersicht und Inhalt**

[SIST EN 61834-4:1999](https://standards.iteh.ai/catalog/standards/sist/c58880ea-6462-4e50-848c-)

**Enregistrement - Système d'enregistrement numérique grand public vidéo à cassette à balayage hélicoïdal pour la bande magnétique de 6,35 mm (systèmes 525-60, 625-50, 1125-60 et 1250-50 -- Partie 4: Tableaux des paquets en-tête et leur contenu**

**Ta slovenski standard je istoveten z: EN 61834-4:1998**

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**ICS:**

33.160.40      Video sistemi                      Video systems

**SIST EN 61834-4:1999**                      **en**

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ICS 33.160.40

Descriptors: Video equipment, digital technics, magnetoscopes, video recording, sound recording, cassettes for magnetic tapes, magnetic tapes, recording characteristics, tables of data, data processing, identification, labelling, specifications

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 4: Pack header table and contents**  
**(IEC 61834-4:1998)**

Enregistrement - Système  
d'enregistrement grand public vidéo à  
cassette à défilement hélicoïdal pour  
bande magnétique de 6,35 mm  
(systèmes 525-60, 625-50, 1125-60 et  
1250-50)  
Partie 4: Tableaux des paquets en-tête  
et leur contenu  
(CEI 61834-4:1998)

Aufzeichnung - Videokassetten-System  
mit digitaler Schrägspuraufzeichnung  
auf Magnetband 6,35 mm für den  
Heimgebrauch (Systeme 525-60,  
625-50, 1125-60 und 1250-50)  
Teil 4: Datenpakete - Übersicht und  
Inhalt  
(IEC 61834-4:1998)

This European Standard was approved by CENELEC on 1998-08-01. 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.

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

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

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[3516e9204beb/sist-en-61834-4-1999](https://standards.iteh.ai/catalog/standards/sist/c58880ea-6462-4e50-848c-3516e9204beb/sist-en-61834-4-1999)

### Foreword

The text of document 100B/164/FDIS, future edition 1 of IEC 61834-4, 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 61834-4 on 1998-08-01.

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) 1999-05-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2001-05-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 61834-4:1998 was approved by CENELEC as a European Standard without any modification.

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**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 61880	1998	Video systems (525/60) - Video and accompanied data using the vertical blanking interval - Analogue interface	-	-
ISO/IEC 2022	1994	Information technology - Character code structure and extension techniques	-	-
ISO 3166	1993	Codes for the representation of names of countries	-	-
ISO 3901	1986	Documentation - International Standard Recording Code (ISRC)	-	-
EBU SPB 492	1992	Teletext Specifications	-	-
EIA 608	1993	Recommended Practice for Line 21 Data Service	-	-
ETS 300 294	1996	Television systems; 625 line television Wide Screen Signalling (WSS)	-	-
ITU-R Report 624-4	1990	Characteristics of television systems	-	-
ITU-R Recommendation BT653-2	1993	Teletext systems	-	-

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# INTERNATIONAL STANDARD

# IEC 61834-4

First edition  
1998-07

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## 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 4: Pack header table and contents (standards.iteh.ai)

*Enregistrement* IEC 61834-4:1999

*Système d'enregistrement grand public vidéo à cassette  
à défilement hélicoïdal pour bande magnétique de 6,35 mm  
(systèmes 525-60, 625-50, 1125-60 et 1250-50)*

*Partie 4:  
Tableaux des paquets en-tête et leur contenu*

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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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 4: Pack header table and contents**

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.
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- 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.
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International Standard IEC 61834-4 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/164/FDIS	100B/174/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:

- Part 1: General specifications;
- Part 2: SD format for 525-60 and 625-50 systems;
- Part 3: HD format for 1125-60 and 1250-50 systems;
- Part 4: Pack header table and contents;
- Part 5: Character information system.

This document is Part 4 of IEC 61834 and 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 1 describes the common specifications for the helical-scan digital video cassette recording system using 6,35 mm magnetic tape.

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

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

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 system, Part 1, Part 2, Part 4 and Part 5 are referred to.

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

This part of IEC 61834 is to be referred to particularly when the pack header table and the contents are to be checked.

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

# 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 4: Pack header table and contents

### 1 General

#### 1.1 Scope

This part of IEC 61834 specifies the pack headers and the contents of packs which are applicable to the whole recording system of helical-scan digital video cassette using 6,35 mm magnetic tape.

#### 1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 61834. For dated references subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 61834 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 61880:1998, *Video systems (525/60) – Video and accompanied data using the vertical blanking interval – Analogue interface*

ISO/IEC 2022:1994, *Information technology – Character code structure and extension techniques*<sup>1)</sup>

ISO 3166:1993, *Codes for the representation of names of countries*

ISO 3901:1986, *Documentation – International Standard Recording Code (ISRC)*

EBU SPB 492:1992, *Teletext Specifications*

EIA 608:1993, *Recommended Practice for Line 21 Data Service*

ETS 300 294:1996, *Television systems; 625 line television Wide Screen Signalling (WSS)*

ITU-R Report 624-4:1990, *Characteristics of television systems*

ITU-R Recommendation BT653-2:1993, *Teletext systems*

#### 1.3 Labelling convention

Byte values are expressed in binary coded decimal notation unless otherwise noted.

An "h" subscript indicates hexadecimal value. A "b" subscript indicates binary value.

<sup>1)</sup> To be published.

## 2 Pack header table

Packs are divided into groups as follows.

CONTROL group	Packs in relation to VCR control
TITLE group	Packs in relation to Title
CHAPTER group	Packs in relation to Chapter
PART group	Packs in relation to Part
PROGRAMME group	Packs in relation to Programme
AAUX group	Packs in relation to AAUX
VAUX group	Packs in relation to VAUX
CAMERA group	Packs in relation to a camera
LINE group	Packs in relation to horizontal lines
SOFT MODE group	Packs in relation to maker's option and no information

The relationship between pack headers and groups is shown in table 1.

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