



SLOVENSKI STANDARD
SIST EN 61077:1999

01-julij-1999

Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS - Compact VHS video cassette (IEC 61077:1991)

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

Video-Bandkassettensystem mit Schrägspuraufzeichnung auf Magnetband 12,65 mm (0,5 in) VHS-Format - Kompakte Videokassette

Système de magnétoscope à cassette de balayage hélicoïdal utilisant la bande magnétique de 12,65 mm (0,5 in) (format VHS) - Cassette vidéo compacte de format VHS

<https://standards.iteh.ai/catalog/standards/sist/37697238-cc92-4c83-8207-191ed8223187/sist-en-61077-1999>

Ta slovenski standard je istoveten z: EN 61077:1991

ICS:

33.160.40 Video sistemi Video systems

SIST EN 61077:1999 **en**

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ENGLISH VERSION

HELICAL-SCAN VIDEO TAPE CASSETTE SYSTEM USING
12,65 MM (0,5 IN) MAGNETIC TAPE ON TYPE VHS
COMPACT VHS VIDEO CASSETTE
(IEC 1077:1991)

Système de magnétoscope à
cassette de balayage
hélicoïdal utilisant la bande
magnétique de 12,65 mm (0,5 in)
(format VHS) - Cassette vidéo
compacte de format VHS
(CEI 1077:1991)

Video-Bandkassettensystem mit
Schrägschraufzeichnung auf
Magnetband 12,65 mm (0,5 in)
VHS-Format - Kompakte
Videokassette
(IEC 1077:1991)

This European Standard was approved by CENELEC on 1991-09-23.
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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
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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 60B(CO)125, as prepared by Sub-Committee 60B: Video recording, of IEC Technical Committee N° 60: Recording, was submitted to the IEC-CENELEC parallel vote in January 1991.

The reference document was approved by CENELEC as EN 61077 on 23 September 1991.

The following dates were fixed:

- latest date of publication of
an identical national standard (dop) 1992-10-15
- latest date of withdrawal of
conflicting national standards (dow) 1992-10-15

For products which have complied with the relevant national standard before 92-10-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 97-10-15.

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 1077:1991 was approved by CENELEC as a European Standard without any modification.

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ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

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

IEC Publication	Date	Title	EN/HD	Date
774	1983	Helican-scan video tape cassette systems using 12,65 mm (0,5 in) magnetic tape on type VHS	HD 463 S1	1987

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**Système de magnétoscope à cassette
à balayage hélicoïdal utilisant la bande
magnétique de 12,65 mm (0,5 in) (format VHS) –
Cassette vidéo compacte de format VHS**

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

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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 –
COMPACT VHS VIDEO CASSETTE**

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

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This International Standard has been prepared by Sub-Committee 60B: Video recording, of IEC Technical Committee No. 60: Recording.

[SIST EN 61077:1999](https://standards.iteh.ai/catalog/standards/sist/37697238-cc92-4c83-8207-191ed8223187/sist-en-61077-1999)

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

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DIS	Report on Voting
60B(CO)125	60B(CO)137

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

Annex A forms an integral part of this International Standard.

Annex B is for information only.

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

1 Scope

This International Standard defines the mechanical parameters and characteristics of the compact VHS video cassette.

With the aid of a compact VHS cassette adaptor (an example of which is illustrated in annex B), the compact video cassette may also be used in the same manner as a normal VHS video cassette for recording and/or reproducing video signals in accordance with the system defined in IEC 774.

2 Normative references

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

[SIST EN 61077:1999](https://standards.iteh.ai/catalog/standards/sist/37697238-cc92-4c83-8207-191ed8223187/sist-en-61077-1999)

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IEC 774: 1983, *Helican-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS.*

3 Mechanical parameters of the compact VHS video cassette

3.1 *Dimensions of the compact VHS video cassette*

The dimensions of the compact video cassette shall be in accordance with figures 1 to 6.

The cassette dimensions are given for two types of front covers, with and without a front cover locking-structure.

3.2 *Front cover*

3.2.1 *Front cover with a locking-structure*

The front cover with a locking-structure is shown in figure 7.

With this type of cassette, a permanent spring force is used to keep the front cover shut.

The forces F_1 and F_2 necessary to open the front cover with the lock released, as defined in note 1 of figure 7, shall be as follows: :

$$\begin{aligned} 0,1 \text{ N} &\leq F_1 \leq 0,25 \text{ N} \\ 0,05 \text{ N} &\leq F_2 \leq 0,2 \text{ N} \end{aligned}$$

Even when the front cover is locked, it shall be forcibly released with a force F_3 of less than 0,8 N applied to the unlocking position, as indicated in note 3 of figure 7.

The unlocking pin shall be pushed to the unlocking position indicated in note 4 of figure 7 with a force F_4 of less than 0,8 N.

The unlocking pin shall be pushed to the surface of the cassette side wall with a force F_5 less than 3 N (see note 6 of figure 7).

3.2.2 Front cover without a locking-structure

The front cover without a locking-structure is shown in figure 8.

The front cover has two stable positions: completely closed and completely open.

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The front cover shall open or close by itself when it is within an angle of 20° of its completely open or completely closed position as indicated in note 1 of figure 8.

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The forces F_1 and F_2 necessary to open and close the front cover as shown in figure 8 shall be as follows:

$$\begin{aligned} 0,05 \text{ N} &\leq F_1 \leq 0,2 \text{ N} \\ 0,05 \text{ N} &\leq F_2 \leq 0,2 \text{ N} \end{aligned}$$

3.3 Reel dimensions and brake force

The dimensions of the reel shall be in accordance with figures 9 and 10.

The tape shall be pulled out with the following forces, as shown in note 3 of figure 9 and note 2 of figure 10, with the brake engaged:

Supply reel:	$0,4 \text{ N} \leq F \leq 1,5 \text{ N}$
Take-up reel:	$0,05 \text{ N} \leq F \leq 3 \text{ N}$

3.4 Tape winding and tape path

The tape winding and tape path shall be in accordance with figure 11.