

INTERNATIONAL STANDARD

IEC 62330-3

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Helical-scan digital video cassette recording system using 12,65 mm (0,5 in) magnetic tape – Format HD-D5 –

Part 3: Data stream format

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HELICAL-SCAN DIGITAL VIDEO CASSETTE RECORDING SYSTEM
USING 12,65 mm (0,5 in) MAGNETIC TAPE – FORMAT HD-D5 –**

Part 3: Data stream format

FOREWORD

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International Standard IEC 62330 has been prepared by Technical Area 6: Higher data rate storage media and equipment of IEC technical committee 100: Audio, video and multimedia systems and equipment.

It was submitted to the national committees for voting under the Fast Track Procedure as the following documents:

CDV	Report on voting
100/506/CDV	100/605/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.

The committee has decided that the contents of this publication will remain unchanged until 2008. At this date, the publication will be

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- withdrawn;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

IEC 62330-3 consists of the following parts, under the general title *Helical-scan digital video cassette recording system using 12,65 mm (0,5 in) magnetic tape – Format HD-D5*.

- Part 1: VTR specifications
- Part 2: Compression format
- Part 3: Data stream format

Part 1 describes the VTR specifications which are tape, magnetization, helical recording, modulation method and basic system data for high definition video compressed data on 29,97 or 59,94 frame rate.

Part 2 describes the specifications for encoding process and data format for 1080i and 720p systems.

This part 3 describes the specifications for transmission of HD-D5 compressed video and audio data stream over 360 Mb/s serial digital interface.

HELICAL-SCAN DIGITAL VIDEO CASSETTE RECORDING SYSTEM USING 12,65 mm (0,5 in) MAGNETIC TAPE – FORMAT HD-D5 –

Part 3: Data stream format

1 Scope

This part of IEC 62330 defines the data stream used for synchronous transmission of HD-D5 compressed video and audio data over 360 Mb/s serial digital interface (SDI) for the 525/60 system as defined in SMPTE 259M.

This practice does not define data stream structure applicable for transmission over the serial data transport interface (SDTI), SMPTE 305M.

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.

ANSI/SMPTE 259M, *Television – 10-bit 4:2:2 Component and 4fsc NTSC Composite Digital Signals – Serial Digital Interface*

ANSI/SMPTE 272M, *Television – Formatting AES/EBU Audio and Auxiliary Data into Digital Video Ancillary Data Space*