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Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape – Format D-12 –

Part 3: Data stream format

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CONTENTS

FOREWORD 3

1 Scope 5
2 Normative references 5
3 Abbreviations and acronyms 5
4 Identification within the serial data transport interface (SDTI) 6
4.1 SDTI header packet data 6
4.2 Payload 6
5 Stream block format 6
5.1 Stream block 6
5.2 Reserved data words 7
5.3 Signal type words 7
5.4 Transmission type word 9
5.5 DIF block ID words 9
5.6 DIF block data words 10
5.7 ECC words 10
6 Transmission order 11
7 Mapping structure 13
7.1 Channel unit 13
7.2 Mapping rules 13

Annex A (informative) Block diagram of D-12 recorder 18

Bibliography 19

Figure 1 – Stream block format 7
Figure 2 – ST word mapping 7
Figure 3 – TT word mapping 9
Figure 4 – Mapping of DIF block ID 9
Figure 5 – Mapping of ECC 10
Figure 6 – Transmission order in one frame for the 100 Mb/s structure 11
Figure 7 – Transmission order in a DIF sequence 12
Figure 8a – For 270 Mb/s system 14
Figure 8b – For 360 Mb/s system 15
Figure 8 – Channel unit mapping for the 100 Mb/s structure (525/60 SDTI system) 15
Figure 9a – For 270 Mb/s system 16
Figure 9b – For 360 Mb/s system 17
Figure 9 – Channel unit mapping for the 100 Mb/s structure (625/50 SDTI system) 17
Figure A.1 – Block diagram of D-7 recorder 18

Table 1 – Start lines of channel units 17

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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International Standard IEC 62447-3 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/1093/CDV	100/1188/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 list of all the parts of the IEC 62447 series, under the general title *Helical-scan compressed digital video cassette system using 6,35 mm magnetic tape – Format D-12* can be found on the IEC website.

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

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

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

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

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

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

HELICAL-SCAN COMPRESSED DIGITAL VIDEO CASSETTE SYSTEM USING 6,35 mm MAGNETIC TAPE – FORMAT D-12 –

Part 3: Data stream format

1 Scope

This part of IEC 62447defines the format of the data stream for the synchronous exchange of DV-based audio, data, and compressed video (whose data structure is defined in SMPTE 370M) over the interface defined in SMPTE 305M. It covers the transmission of audio, subcode data and compressed video packets associated with DV-based 100 Mb/s data structures for 525/60 SDTI and 625/50 SDTI systems.

Space within SMPTE 305M not used by a data stream conforming to this standard may be used for the transmission of data other than those representing DV-based audio, data and compressed video.

In this standard, the 60 Hz system refers to the field-frequency 59,94 Hz system and the 50 Hz system refers to the field-frequency 50,0 Hz system.

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.

SMPTE 305M.2-2000, Television – Serial Data Transport Interface