

# INTERNATIONAL STANDARD

# IEC 60774-5

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

### Part 5: D-VHS

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## CONTENTS

FOREWORD.....	7
1 Scope.....	9
2 Normative references .....	9
3 Terms definitions and abbreviations .....	11
3.1 Terms and definitions .....	11
3.2 Abbreviations .....	14
4 Fundamental specifications .....	15
4.1 Cassette.....	15
4.2 Magnetic tape.....	17
4.3 Basic format .....	18
5 MPEG2 format.....	31
5.1 Track configuration and dimensions .....	31
5.2 MPEG2 Recording Format.....	43
6 Pack.....	75
6.1 PACK FORMAT .....	75
6.2 Pack application .....	103
Annex A (normative) D-VHS MPEG format.....	113
A.1 General .....	113
A.2 D-VHS MPEG transport stream specification .....	113
A.3 D-VHS MPEG transport stream service information specification.....	123
Figure 1 – D-VHS cassette ID holes.....	17
Figure 2– Magnetic tape position .....	20
Figure 3 – Switching position .....	20
Figure 4 – Linear and control head (reference) .....	21
Figure 5 – Track structure.....	21
Figure 6 – Main data sync block.....	22
Figure 7 – Subcode sync block .....	24
Figure 8 – Data position definition (main code) .....	28
Figure 9 – Data position definition (subcode) .....	29
Figure 10 – Precoder .....	30
Figure 11 – Magnetic tape position (STD mode) .....	32
Figure 12 – Magnetic tape position (LS2 mode) .....	34
Figure 13 – Magnetic tape position (LS3 mode) .....	36
Figure 14 – Magnetic tape position (LS5 mode) .....	38
Figure 15 – Magnetic tape position (LS7 mode) .....	40
Figure 16 – Magnetic tape position (HS mode).....	42
Figure 17 – Subcode sync block (MPEG2 mode).....	45
Figure 18 – Main data sync block (MPEG2 mode).....	45
Figure 19 – + 4k times normal speed (STD and LS mode).....	50
Figure 20 – –4k and + 6k times normal speed (STD and LS mode) .....	50
Figure 21 – –6k times normal speed (STD and LS mode).....	50

Figure 22 – +12k times normal speed (STD and LS mode).....	50
Figure 23 – –12k times normal speed (STD and LS mode).....	51
Figure 24 – –12k times normal speed (STD and LS mode).....	51
Figure 25 – + 3 times normal speed (HS mode) .....	51
Figure 26 – – 3 times normal speed (HS mode) .....	51
Figure 27 – + 6 times normal speed (HS mode) .....	51
Figure 28 – – 6 times normal speed (HS mode) .....	52
Figure 29 – +12 and –12 times normal speed (HS mode).....	52
Figure 30 – Basic units (STD and LS mode).....	52
Figure 31 – Basic units (HS mode).....	53
Figure 32 – Macro areas (STD and LS mode) .....	53
Figure 33 – Macro areas (HS mode) .....	54
Figure 34 – Macro units (STD and LS mode) .....	54
Figure 35 – Macro units (HS mode) .....	55
Figure 36 – ECC structure (main data area).....	65
Figure 37 – Data position definition.....	65
Figure 38 – ECC Structure (trick play) .....	67
Figure 39 – MPEG2 TS recording (normal play) .....	68
Figure 40 – Packet Header (STD and LS mode/normal play).....	69
Figure 41 – Packet Header (HS mode/normal play).....	69
Figure 42 – Time stamp for MPEG2 TS recording (STD and LS mode/ Normal play).....	70
Figure 43 – Time stamp for MPEG2 TS recording (HS mode/normal play).....	70
Figure 44 – MPEG2 TS recording (trick play) .....	72
Figure 45 – Packet header (trick play) .....	73
Figure 46 – Time stamp for MPEG2 TS recording (trick play).....	74
Figure 47 – TS recording position .....	74
Figure 48 – C0: No information .....	75
Figure 49 – C1: Cassette ID.....	76
Figure 50 – C2: Absolute time code .....	77
Figure 51 – C3: Optional time code.....	79
Figure 52 – C4: Total time .....	80
Figure 53 – C5: Rec date .....	81
Figure 54 – C6: Rec time .....	82
Figure 55 – C7: Source .....	83
Figure 56 – C8: Text header .....	84
Figure 57 – C9: Text data .....	85
Figure 58 – C10: Transparent.....	86
Figure 59 – C11, C 12: ISRC .....	87
Figure 60 – C13: Marker .....	88
Figure 61 – Data detail of Marker.....	89
Figure 62 – C14: TOC of start point .....	90
Figure 63 – C15: TOC of program information.....	91
Figure 64 – C16: Trick play information.....	92

Figure 65 – P1: Program information .....	94
Figure 66 – P2: Program total time .....	95
Figure 67 – P3: Program time code.....	96
Figure 68 – I1: Index total time .....	97
Figure 69 – I2: Index time code.....	98
Figure 70 – E1: G_ECM Pack .....	99
Figure 71 – E2: L_ECM Pack .....	100
Figure 72 – E3: A_ECM Pack.....	101
Figure 73 – E4: R_ECM Pack .....	102
Figure 74 – An example of different time code on a track.....	104
Figure 75 – An example of a text recording.....	105
Figure 76 – An example of same text data pack recording .....	105
Figure 77 – An example of a text group recording .....	106
Figure 78 – Additional Information of TOC .....	106
Figure 79 – TOC without TOC Start and End Pack.....	107
Figure 80 – TOC with TOC start and end pack.....	107
Figure 81 – An example of a TOC of previous programs in program n.....	108
Figure 82 – An example of TOC of each program.....	108
Figure 83 – An example of the TOC of all programs.....	108
Figure 84 – An example of indication of multi-channel recording .....	109
Figure 85 – An example of Information in multi-channel recording .....	109
Figure A.1 – Kanji characters set structure .....	152
Figure A.2 – Additional character set structure.....	153
Figure A.3 – Conversion routes between MJD and UTC.....	156
Table 1 – Track configuration and dimensions .....	19
Table 2 – Configuration of ID (maindata sync block) .....	22
Table 3 – Symbol definition of ID parity (maindata sync block).....	23
Table 4 – Configuration of ID (subcode sync block) .....	24
Table 5 – Absolute track number support flag .....	25
Table 6 – Tag .....	25
Table 7 – Symbol definition of ID parity (subcode sync block).....	26
Table 8 – Format ID.....	27
Table 9 – Application ID.....	27
Table 10 – Signal allocation.....	31
Table 11 – Track configuration and dimensions (STD mode).....	31
Table 12 – Track configuration and dimensions (LS2 mode) .....	33
Table 13 – Track configuration and dimensions (LS3 mode) .....	35
Table 14 – Track configuration and dimensions (LS5 mode) .....	37
Table 15 – Track configuration and dimensions (LS7 mode) .....	39
Table 16 – Track configuration and dimensions (HS mode).....	41
Table 17 – Definition of $k$ .....	43
Table 18 – ECC block size.....	43

Table 19 – ECC block number per track.....	43
Table 20 – Program mode.....	43
Table 21 – Scanner rotation speed .....	43
Table 22 – 1,001 flag .....	43
Table 23 – Outer interleave .....	44
Table 24 – Recording mode .....	44
Table 25 – Application ID.....	44
Table 26 – Configuration of Main header .....	46
Table 27 – Format ID .....	46
Table 28 – Application ID.....	47
Table 29 – Application detail.....	47
Table 30 – Time compression ratio .....	47
Table 31 – Region management flag.....	48
Table 32 – CGMS .....	48
Table 33 – Data type .....	48
Table 34 – Data detail.....	49
Table 35 – Configuration of Pack .....	49
Table 36 – Repeating factor (STD and LS mode) .....	53
Table 37 – Repeating factor (HS mode) .....	54
Table 38 – Macro area (STD and LS mode) .....	56
Table 39 – Macro area (HS mode) .....	57
Table 40 – Ideal points (STD and LS mode).....	57
Table 41 – Ideal points (HS mode).....	58
Table 42 – Ideal points of macro area (STD mode: k=1) .....	59
Table 43 – Ideal points of macro area (LS2 mode: k=2) .....	60
Table 44 – Ideal points of macro area (LS3 mode: k=3) .....	61
Table 45 – Ideal points of macro area (LS5 mode: k=5) .....	62
Table 46 – Ideal points of macro area (LS7 mode: k=7) .....	63
Table 47 – Ideal points of macro area (HS mode) .....	64
Table 48 – Sync block count (normal play).....	68
Table 49 – Sync block count (dummy data).....	69
Table 50 – Data detail (normal play) .....	69
Table 51 – Sync block count (STD and LS mode/ trick play) .....	72
Table 52 – Sync block count (HS mode/ trick play) .....	72
Table 53 – Data detail (trick play) .....	73
Table 54 – Direction of trick play.....	73
Table 55 – Time code in the interlace scan system (STD mode) .....	110
Table 56 – Time code in the progressive scan system (STD mode).....	111
Table 57 – Time Code in progressive scan system (STD mode).....	112
Table A.1 – MPEG2(MP@ML) Parameters constraints for NTSC .....	115
Table A.2 – MPEG2(MP@ML) Parameters constraints for PAL/SECAM .....	115
Table A.3 – MPEG1 Parameters constraints for NTSC .....	115
Table A.4 – MPEG1 Parameters constraints for PAL/SECAM.....	115

Table A.5 – Permitted values for display_horizontal_size and pan scan vector .....	116
Table A.6 – MPEG2(MP@HL/MP@H14L) Parameters constraints for NTSC .....	116
Table A.7 – MPEG2(MP@HL/MP@H14L) Parameters constraints for PAL/SECAM .....	117
Table A.8 – Picture user data structure of closed caption .....	119
Table A.9 – Constraints of parameters in chunk .....	121
Table A.10 – Constraints of display conditions .....	122
Table A.11 – Possible locations of the descriptor .....	123
Table A.12 – PAT table .....	124
Table A.13 – PMT table .....	126
Table A.14 – Registration_descriptor (descriptor_tag = 0x05) .....	128
Table A.15 – DTCP_descriptor (descriptor_tag = 0x88 ) .....	129
Table A.16 – DTCP_CCI .....	129
Table A.17 – Image_Constraint_Token .....	130
Table A.18 – APS .....	130
Table A.19 – Stream_identifier_descriptor (descriptor_tag = 0x52) .....	130
Table A.20 – component_tag constraints .....	131
Table A.21 – ISO_639_language_descriptor (descriptor_tag = 0x0A) .....	131
Table A.22 – Audio type values .....	131
Table A.23 – SIT table ( PID = 0x001F table_id = 0x7F) .....	132
Table A.24 – Partial_transport_stream_descriptor (descriptor_tag = 0x63) .....	134
Table A.25 – Parental_rating_descriptor (descriptor_tag = 0x55) .....	134
Table A.26 – Rating .....	135
Table A.27 – Component_descriptor (descriptor_tag = 0x50) .....	135
Table A.28 – Stream_content and component_type .....	136
Table A.29 – Short_event_descriptor (descriptor_tag = 0x4D) .....	138
Table A.30 – Extended_event_descriptor (descriptor_tag = 0x4E) .....	139
Table A.31 – Multilingual_service_name_descriptor (descriptor_tag = 0x5D) .....	140
Table A.32 – Content_descriptor (descriptor_tag = 0x54) .....	141
Table A.33 – Content_nibble level 1 and 2 assignments .....	142
Table A.34 – PartialTS_time_descriptor (descriptor_tag = 0xC3) .....	145
Table A.35 – Caption_service_descriptor (descriptor_tag = 0x86) .....	146
Table A.36 – DIT table ( PID = 0x001E table_id = 0x7E ) .....	147
Table A.37 – Text characters set .....	149
Table A.38 – Control character .....	150
Table A.39 – Invocation .....	150
Table A.40 – Designation .....	150
Table A.41 – Final character .....	151
Table A.42 – Initial designation and invocation .....	151
Table A.43 – Additional graphic characters set .....	154
Table A.44 – Symbols .....	156
Table A.45 – Example .....	157

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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International Standard IEC 60774-5 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
100/664/CDV	100/748/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.

IEC 60774 consists of several parts under the general title *Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS*:

Part 1: VHS and compact VHS video cassette system

Part 2: FM audio recording

Part 3: S-VHS

Part 4: S-VHS video cassette system - ET mode

Part 5: D-VHS

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

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

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

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

## Part 5: D-VHS

### 1 Scope

This part of IEC 60774 applies to the MPEG TS (Transport Stream) packet recording for helical-scan video tape cassette system using 12,65 mm magnetic tape on type VHS.

This standard specifies the cassettes, the tape, the track configuration, the data structure, the recording method and the MPEG TS format for D-VHS.

D-VHS is formatted on the basis of the VHS system, aiming for digital data recording. D-VHS basic format, which is commonly used in various types of data recording application, is specified.

D-VHS records the MPEG TS packets directly compatible with digital broadcast systems.

D-VHS has three recording modes according to the data-rate: STD (Standard), HS (High Speed) and LS (Low Speed/four types), to accommodate various digital broadcasts and needs. MPEG2 recording format for D-VHS including trick play is specified.

The pack format is specified for recording ancillary data, except the MPEG TS packets.

D-VHS MPEG format (ID: MTRM) is specified. D-VHS MPEG format is used for pre-recorded software tape for D-VHS, and self-encoding of analog video and audio signal (for example conventional TV) to MPEG TS packet.

### 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.

IEC 60774-1:1994, *Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS – Part 1: VHS and compact VHS video cassette system*

IEC 60774-3:1993, *Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS – Part 3: S-VHS*

ISO/IEC 11172-3:1993, *Information technology – Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s – Part 3: Audio*

ISO/IEC 13818-1, *Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems*

ISO/IEC 13818-2, *Information technology – Generic coding of moving pictures and associated audio information – Part 2: Video*

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ISO 639-2:1998, *Codes for the representation of names of languages – Part 2: Alpha-3 code*

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SMPTE 302M:2002, *Television – Mapping of AES3 Data into MPEG-2 Transport Stream*