

**INTERNATIONAL
STANDARD**

**IEC
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First edition
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**Video recording –
12,65 mm type D-11 format –**

**Part 3:
Data mapping over SDTI**



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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VIDEO RECORDING – 12,65 mm TYPE D-11 FORMAT –

Part 3: Data mapping over SDTI

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International Standard IEC 62356-3 has been prepared by 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 |
|-------------|------------------|
| 100/631/CDV | 100/701/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 2008-11. At this date, the publication will be

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- withdrawn;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

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VIDEO RECORDING – 12,65 mm TYPE D-11 FORMAT –

Part 3: Data mapping over SDTI

1 Scope

This International Standard specifies the mapping of type D-11 compressed picture data stream into the SDTI payload area (SMPTE 305.2M) together with the mapping of four channels of AES3 data and time-code data into H-ANC packets. Type D-11 compressed picture data-stream mapping is defined for source-coded picture rates of 24/1,001/P, 24/P, 25/P, 50-I, 30/1,001/P and 60/1,001. For the transmission of compressed picture data coded at source picture rates of 25/P and 50/I, the SDTI interface operates at a frame rate of 25 Hz. For the transmission of compressed picture data coded at source picture rates of 30/1,001P and 60/1,001I, the SDTI interface operates at a frame rate of 30/1,001 Hz.

The transmission of compressed picture data coded at the source picture rates of 24/1, 001/P and 24/P require the SDTI interface to operate at frame rates of 24/1, 001Hz and 24 Hz with the parameters defined in Annexes A and B of this standard.

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 62356-2: *Video recording – 12,65 mm type D-11 format – Part 2: Picture compression and data stream*¹

SMPTE 259M:1997, *Television – 10-Bit 4:2:2 Component and 4fsc Composite Digital signals – Serial Digital Interface*

SMPTE 272M:1994, *Television – Formatting AES/EBU Audio and Auxiliary Data into Digital Video Ancillary Data Space*

SMPTE 291M:1998, *Television – Ancillary Data Packet and Space Formatting*

SMPTE 305.2M:2000, *Television – Serial Data Transport Interface (SDTI)*

SMPTE RP165:1994, *Error Detection Check words and Status Flags for Use in Bit-Serial Digital Interfaces for Television*

SMPTE RP188:1999, *Transmission of Time Code and Control Code in the Ancillary Data Space of a Digital Television Data Stream*

AES3:1992, *Serial transmission format for two-channel linearly represented digital audio data*

¹ To be published.