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SMPTE STANDARD

for Television Digital Recording — 19-mm Type D-2 Composite Format — Cue Record and Time and Control Code Record



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1 Scope

This standard specifies the content, format, and modulation method of the longitudinal records contained in the cue track and the time-code track in 19-mm type D-2 helical-scan cassette video recorders. Track dimensions and locations are specified in ANSI/SMPTE 245M. The document applies to recorders operating in the 525-line television system with a frame frequency of 29.97 Hz.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standards indicated below.

ANSI/SMPTE 245M-1993, Television Digital Recording — 19-mm Type D-2 Composite Format — Tape Record

SMPTE 12M-1999, Television, Audio and Film — Time and Control

3 General specifications

3.1 Dimensions are in the metric system.

3.2 Tests and measurements made on the tape record to check the requirements of this standard shall be made under the following atmospheric conditions unless otherwise stated:

- Temperature: $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
- Relative humidity: $(50 \pm 2)\%$
- Barometric pressure: $96 \text{ kPa} \pm 10 \text{ kPa}$
- Tape tension: $0.7 \text{ N} \pm 0.05 \text{ N}$

3.3 Conditioning of the tape stock before recording and testing shall be as follows:

- Storage conditioning: Not less than 24 hours
- Environmental: Stabilized to the conditions specified in 3.2
- Tape tension: Wound on a reel at a tension of 0.6 N to 1.5 N