

AS 3737—1990  
IEC 843(1987)

Australian Standard<sup>®</sup>

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**Helical-scan videotape cassette  
system using 8 mm magnetic  
tape—Video 8**

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This Australian Standard was prepared by Committee TE/8, Audio and Video Engineering and Recording. It was approved on behalf of the Council of Standards Australia on 15 August 1989 and published on 16 February 1990.

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The following interests are represented on Committee TE/8:

Australian Broadcasting Corporation  
Australian Electrical and Electronic Manufacturing Association  
Confederation of Australian Industry  
Consumer Electronics Suppliers Association  
Department of Transport and Communications  
Federation of Australian Commercial Television Stations  
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## PREFACE

This Standard was prepared by the Standards Australia Committee on Audio and Video Engineering and Recording. It is identical with and reproduced from IEC 843—1987, *Helical-scan video tape cassette system using 8 mm magnetic tape-Video 8*.

The Standard is one of a series to be prepared on video magnetic tape recorders using, in this case, 8-mm wide magnetic tape of suitable quality, in order to scan, record and replay either monochrome or colour television signals. The requirements cover both NTSC (525 line-60 field) and PAL (625 line-50 field) systems as alternatives.

The various types of magnetic tape including their physical and magnetic properties and their recording characteristics are described, while an Appendix lists information on sources of reference and sub-reference tape for calibration of the audio characteristics listed. The physical and mechanical parameters describing the cassette system plus dimensions and details such as tape speed, drum diameter, tape tension, tape geometry and track configuration are also detailed, as are the various recording characteristics described.

The page numbers of the IEC English text are given on the bottom left corner of each page of the Standard.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this standard.

For the purpose of this Standard, the IEC text should be modified as follows:

- (i) *Definitions*. The terms used in this Standard are those defined in AS 1852: *International electrotechnical vocabulary*.
- (ii) *Environmental conditions*. Where the conditions of measurement required in this Standard are not attainable, Standard Atmospheric Conditions are given in Clause 5 of AS 1099.1—1989 shall apply, and where different from those given in Clause 3, shall be stated.

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