

INTERNATIONAL STANDARD

IEC 60774-4

First edition
2002-07

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

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

© IEC 2002 — Copyright - all rights reserved

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

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



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

K

For price, see current catalogue

CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references.....	5
3 Terms and definitions	5
4 Applicable video cassette recorder	5
5 Applicable video cassette	5
6 Video signal recording	6
6.1 Main pre-emphasis characteristics	6
6.2 Clipping level.....	6
6.3 FM signal recording head current.....	6
6.4 Converted chrominance signal recording level	7
7 Cassette discrimination system.....	7
Figure 1 – Compensation filter response for 525 line-60 field signals	7
Figure 2 – Pre-emphasis frequency response for 525 line-60 field signals.....	8
Figure 3 – Compensation filter response for 625 line-50 field signals	9
Figure 4 – Pre-emphasis frequency response for 625 line-50 field signals.....	10

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60774-4 has been prepared by TA 7: Moderate data rate storage media and equipment, of 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
100/433/CDV	100/498/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 3.

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 cassette system

Part 2: FM audio recording

Part 3: S-VHS

The committee has decided that the contents of this publication will remain unchanged until 2006. 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 VIDEO TAPE CASSETTE SYSTEM USING 12,65 mm (0,5 in) MAGNETIC TAPE ON TYPE VHS –

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

1 Scope

This part of IEC 60774 is applicable to the S-VHS ET mode which records in S-VHS signal format on a VHS cassette. In this mode, several video signal system recording parameters are switched so that the signal characteristics recorded on the VHS tape are equivalent to S-VHS recording on S-VHS tape.

Cassettes recorded in the S-VHS ET mode can be played with the S-VHS-based playback system and the VHS equivalent that includes the SQPB function.

This standard indicates the differences from IEC 60774-3 which covers only S-VHS.

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