

INTERNATIONAL STANDARD

IEC
61880-2

First edition
2002-09

**Video systems (525/60) –
Video and accompanied data using
the vertical blanking interval –
Analogue interface –**

**Part 2:
525 progressive scan system**

© 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

L

For price, see current catalogue

CONTENTS

FOREWORD	3
1 Scope	4
2 Definitions and abbreviations.....	4
3 Construction of identification signal	5
4 Bit and code assignment of the identification signal	6
4.1 General	6
4.2 WORD-0: Identification data for the video information signal	6
4.3 WORD-1 and WORD-2	6
4.4 CRCC	6
5 Transmission frame	7
6 Designation.....	7
 Annex A (normative) Aspect ratio and picture display format	8
A.1 Aspect ratio.....	8
A.2 Picture display format.....	8
Annex B (normative) Copy control information system.....	9
B.1 Copy control information	9
B.2 CGMS-A	9
B.3 APS trigger bit.....	10
B.4 Analogue source bit	10
 Figure 1 – Identification signal waveform	4
Figure 2 – Signal inserted line in vertical blanking interval	4
Figure 3 – Identification data format	5
Figure 4 – CRCC generator	6
Figure A.1 – Aspect ratio	7
Figure A.2 – Picture display format	7
 Table 1 – Aspect ratio and display format.....	5
Table B.1 – Bit assignment of WORD1.....	8
Table B.2 – CGMS-A	8
Table B.3 – Bit assignment of CGMS-A	9
Table B.4 – Bit assignment of APS trigger bits	9
Table B.5 – Bit assignment of analogue source bit	10

INTERNATIONAL ELECTROTECHNICAL COMMISSION

VIDEO SYSTEMS (525/60) – VIDEO AND ACCOMPANIED DATA USING THE VERTICAL BLANKING INTERVAL – ANALOGUE INTERFACE

Part 2: 525 progressive scan system

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 61880-2 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:

FDIS	Report on voting
100/444/CDV	100/502/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 2004. At this date, the publication will be

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- withdrawn;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

VIDEO SYSTEMS (525/60) – VIDEO AND ACCOMPANIED DATA USING THE VERTICAL BLANKING INTERVAL – ANALOGUE INTERFACE –

Part 2: 525 progressive scan system

1 Scope

This part of IEC 61880 specifies the aspect ratio code and the copy control information code and the method of transfer of these codes in the vertical blanking interval of the luminance signal. It is applicable to the transfer of video related information with the video signal through the baseband analogue signal of the 525-line/60-frame progressive scan video system.

This standard is applicable to analogue video signal interfaces between digital and analogue video equipment as follows:

- digital video equipment to digital video equipment;
- digital video equipment to analogue video equipment;
- analogue video equipment to digital video equipment;
- analogue video equipment to analogue video equipment.