BRITISH STANDARD

BS EN 61883-5:2005

Consumer audio/video equipment — Digital interface —

Part 5: SDL-DVCR data transmission

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ICS 35.200; 33.160.01

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The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio, video and multimedia systems, which has the responsibility to:

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Summary of pages

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English version

Consumer audio/video equipment - Digital interface Part 5: SDL-DVCR data transmission

(IEC 61883-5:2004)

Matériel audio/vidéo grand public - Interface numérique
Partie 5: Transmission de données SDL-DVCR
(CEI 61883-5:2004)

Audio/Video-Geräte der Unterhaltungselektronik - Digitale Schnittstelle
Teil 5: SDL-DVCR-Datenübertragung
(IEC 61883-5:2004)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of the International Standard IEC 61883-5:2004, prepared by technical area 4, Digital system interfaces and protocols, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 61883-5 on 2005-11-01.

This European Standard supersedes EN 61883-5:1998.

It contains the following significant technical changes with respect to EN 61883-5:1998: added specifications of IEEE 1394 packet, CIP header and transmission timing in high speed transmission.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2006-11-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2008-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61883-5:2004 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61834-1 NOTE Harmonized as EN 61834-1:1998 (not modified).

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CONSUMER AUDIO/VIDEO EQUIPMENT – DIGITAL INTERFACE –

Part 5: SDL-DVCR data transmission

1 Scope

This part of IEC 61883 specifies the packet format and the transmission timing for SDL-DVCR data. It describes the specifications for the IEEE 1394 packet, the CIP header for SDL525-60 and SDL625-50 systems, and the transmission timing.

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 61834-6, *Recording – Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) – Part 6: SDL format*

IEC 61883-1*, Consumer audio/video equipment – Digital interface – Part 1: General*

IEC 61883-2, *Consumer audio/video equipment – Digital interface – Part 2: SD-DVCR data transmission*

3 Abbreviations

For the purposes of this document, the following abbreviations apply:

IEEE 1394 packet:	IEEE 1394 isochronous packet defined in IEC 61883-1
SDL525-60 system:	the standard definition for high-compression mode 525-line system with a frame frequency of 29,97 Hz
SDL625-50 system:	the standard definition for high-compression mode 625-line system with a frame frequency of 25,00 Hz
SDL-DVCR:	the standard definition for high-compression mode digital video cassette recorder

4 Construction of IEEE 1394 packet

4.1 Source packet structure of the SDL-DVCR data stream

For the SDL-DVCR data stream, the data structure for the digital interface defined in IEC 61834-6, Clause 10 is used. The source packet size for the SDL-DVCR data stream is 240 bytes, divided into 3 DIF blocks.

The correspondence between DIF blocks and source packets for the SDL525-60 system and the SDL625-50 system are shown in Figure 1 and Figure 2 respectively.

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