BS EN 50201:1999

Interfaces for DVB-IRD

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ICS 33.160.20; 33.160.25



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Summary of pages

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Descriptors: telecasting, television receivers, decoders, digital technics, video equipment, interfaces, modems, video signals, specifications

English version

Interfaces for DVB-IRD

Interfaces pour décodeur DVB intégré

Schnittstellen für DVB-IRD

This European Standard was approved by CENELEC on 1998-08-01.

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CENELEC members are the electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

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This European Standard was prepare ad hoc group on Physical Interfaces, former Technical Committee CENEL	Forewor			
Electronic entertainment and educati	onal systems for	1	Sco	
household and similar use (in July 19	2	No		
become part of TC 206, Consumer equipart entertainment and information and re	2.1	IE(
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and was approved by CENELEC as EN 50201 on 1998-08-01. The following dates were fixed:			Ind	
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Annexes designated "informative" are information only.	4.1	RF		
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Annexes designated "informative" are given for information only.				

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1 Scope

This specification is an application standard, identifying recommended interfaces for connections of digital video broadcast integrated receiver decoder (DVB-IRD) equipment. If a recommended interface is supported, then the full specification of that interface, which may include options, applies. Interfaces not mentioned in this document are not excluded, and especially interfaces which are under development at the time of writing of this document may be added at a later stage. For mechanical and electrical details of the interfaces, reference is made to existing standards of IEC or CENELEC wherever possible, or standards which are known to be in an advanced state of development.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

2.1 IEC Publications

IEC 60807-9, Rectangular connectors for frequencies below 3 Mhz — Part 9: Detail specification for a range of peritelevision connectors.

IEC 60933-1, Audio, video and audio-visual systems, interconnections and matching values Part 1: 21 contact connector for video systems,

Part 1: 21 contact connector for video systems, application No. 1.

IEC 61883, Connectors used in the field of audio, video and audio-visual engineering.

IEC 61937, Interface for multichannel non-PCM encoded audio bitstreams.

NOTE This standard is being developed within the Program of Work of WG11 of IEC/SC100C. At the time of this writing the latest version is the first draft attached to 100C/196/CDV.

2.2 CENELEC Publications

EN 50049-1, Domestic and similar electronic equipment interconnection requirements: Peritelevision connector.

EN 50157-1, Domestic and similar electronic equipment interconnection requirements: AV link — Part 1: General.

EN 50157-2-1, Part 2–1: Signal quality matching and automatic selection of source devices.

EN 50221, Common interface specification for conditional acces and other digital video broadcasting decoder applications. EN 60169-24, Radio-frequency connectors — Part 24: Radio frequency coaxial connectors with screw coupling, typically for use in 75 Ohm cable distribution systems (type F). (IEC 60169-24)

EN 60933-5, Audio, video and audio-visual systems, interconnections and matching values — Part 5: Y/C connector for video systems. (IEC 60933-5)

EN 60958, Digital audio interface. (IEC 60958)

EN 61030, Audio, video and audio-visual systems — Domestic digital bus (D2B). (IEC 61030)

EN 61319-1, Interfaces for satellite receiving equipment — Part 1: Europe. (IEC 61319-1)

HD 134.2, Radio frequency connectors — Part 2: coaxial unmatched connector. (IEC 60169-2)

2.3 Publications by ETSI

ETS 300 158, Satellite Earth Stations; television receive-only, FSS.

ETS 300 249, Satellite Earth Stations; television receive-only, BSS.

ETS 300 784, Satellite Earth Stations; television receive only FSS and BSS.

ETS 300 421, Digital broadcasting systems for television, sound and data services; Framing structure, channel coding and modulation for 11/12 GHz satellite services.

ETS 300 429, Digital broadcasting systems for television sound and data services; Framing structure, channel coding and modulation for cable systems.

ETS 300473, Digital broadcasting systems for television sound and data services; Satellite Master Antenna Television (SMATV) distribution systems.

ETR 154, Third edition: Digital Video Broadcasting (DVB); implementation guidelines for the use MPEG-2 Systems, Video and Audio in satellite, cable and terrestrial broadcasting applications.

2.4 Industrial publications

PCMCIA, PC Card Standard, release 3, Personal Computer Memory Card International Association, Sunnyvale, Cal.

IEEE 1394, Standard for a high performance serial bus.

IEEE 1284, (1994), Signalling method for a bi-directional parallel peripheral interface for personal computers.

ANSI/EIA, RS232, Interface between data terminal equipment and data-circuit terminating equipment employing serial binary data interchange.

NOTE The latest version of this standard is published as RS232E $\,$ (1991).