
Digital terrestrial television receivers for the DVB-T system - Part 1: Baseline receiver specification (IEC 62216-1:2001)

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EUROPEAN STANDARD

EN 62216-1

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October 2002

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English version

Digital terrestrial television receivers for the DVB-T system
Part 1: Baseline receiver specification
(IEC 62216-1:2001)

Récepteur de télévision numérique
terrestre pour le système DVB-T
Partie 1: Spécification du récepteur
de base
(CEI 62216-1:2001)

Fernsehempfänger für das digitale
terrestrische DVB-T-System
Teil 1: Festlegungen für den Basis-
Empfänger
(IEC 62216-1:2001)

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This European Standard was approved by CENELEC on 2002-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

The text of the International Standard IEC 62216-1:2001, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 62216-1 on 2002-09-01.

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) 2003-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-09-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, Annexes A, B, D and ZA are normative and Annexes C, E, F and G are informative.

Annex ZA has been added by CENELEC.

iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of the International Standard IEC 62216-1:2001 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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 (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>International Publication</u>	<u>Year</u>	<u>Title</u>	<u>European publication</u>	<u>Year</u>
IEC 60169-2	- ¹⁾	Radio-frequency connectors Part 2: Coaxial unmatched connector	HD 134.2 S2	1984 ²⁾
ISO/IEC 6937	- ¹⁾	Information technology - Coded graphic character set for text communication - Latin alphabet	-	-
ISO/IEC 8859-9	- ¹⁾	Information technology - 8-bit single-byte coded graphic character sets Part 9: Latin alphabet No. 5	-	-
ISO/IEC 11172-2	- ¹⁾	Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 2: Video	-	-
ISO/IEC 13818-1	- ¹⁾	Information technology - Generic coding of moving pictures and associated audio information: Systems	-	-
ISO/IEC 13818-2	- ¹⁾	Information technology - Generic coding of moving pictures and associated audio information: Video	-	-
ISO/IEC 13818-3	- ¹⁾	Information technology - Generic coding of moving pictures and associated audio information: Audio	-	-
ITU-R BT.470-6	- ¹⁾	Conventional television systems	-	-
ITU-R BS.775-1	- ¹⁾	Multichannel stereophonic sound system with and without accompanying picture	-	-
ITU-R BT.1119-2	- ¹⁾	Wide-screen signalling for broadcasting (Signalling for wide-screen and other enhanced television parameters)	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>International Publication</u>	<u>Year</u>	<u>Title</u>	<u>European publication</u>	<u>Year</u>
ITU-R BT.1359-1	- ¹⁾	Relative timing of sound and vision for broadcasting	-	-
-	-	Domestic and similar electronic equipment interconnection requirements: Peritelevision connector	EN 50049-1	- ¹⁾
-	-	Common interface specification for conditional access and other digital video broadcasting decoder applications	EN 50221	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Specification for Service Information (SI) in DVB systems	EN 300 468	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Framing structure, channel coding and modulation for digital terrestrial television (DVB-T)	EN 300 744	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Specification for the carriage of Vertical Blanking Information (VBI) data in DVB bitstreams	EN 301 775	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Support for use of scrambling and Conditional Access (CA) within digital broadcasting systems	ETR 289	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Implementation guidelines for the use of MPEG-2 systems, video and audio in satellite, cable and terrestrial broadcasting applications	ETR 154	- ¹⁾
-	-	Digital broadcasting systems for television sound and data services - Allocation of Service Information (SI) codes for Digital Video Broadcasting (DVB) systems	ETR 162	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Guidelines on implementation and usage of Service Information (SI)	ETR 211	- ¹⁾
-	-	Television systems - Specification of the domestic video Programme Delivery Control system (PDC)	ETS 300 231	- ¹⁾
-	-	Television systems - 625 line television Wide Screen Signalling (WSS)	ETS 300 294	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Specification for conveying ITU-R system B teletext in DVB bitstreams	ETS 300 472	- ¹⁾

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<u>International Publication</u>	<u>Year</u>	<u>Title</u>	<u>European publication</u>	<u>Year</u>
-	-	Enhanced teletext specification	ETS 300 706	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Subtitling systems	ETS 300 743	- ¹⁾
-	-	Guidelines for implementation and use of the common interface for DVB decoder applications	R206-001	- ¹⁾
-	-	Digital Video Broadcasting (DVB) - Extensions to the common interface specification	TS 101 699	- ¹⁾

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Commission Electrotechnique Internationale
International Electrotechnical Commission
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DIGITAL TERRESTRIAL TELEVISION RECEIVERS
FOR THE DVB-T SYSTEM –**
Part 1: Baseline receiver specification

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.
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- 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 62216-1 has been prepared by technical area 1, Digital receiving 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
100/211/CDV	100/267/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.

Annexes A, B and D form an integral part of this standard. Annexes C, E, F and G are for information only.

The committee has decided that this publication remains valid until 2003. At this date, in accordance with the committee's decision, the publication will be

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