CEA Standard

Advanced Audio Extensions

CEA-861.2

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Consumer Electronics Association

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(Formulated under the cognizance of the CEA **R4.8 DTV Interface Subcommittee**.)

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FOREWORD

This standard was developed by the Consumer Electronics Association's R4.8 DTV Interface Subcommittee.

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TABLES

Advanced Audio Extensions

1 Scope

This standard specifies High Channel Count Audio and Object Based Audio extensions to CEA-861-F [1] using an updated Audio InfoFrame and an additional EDID CEA data block.

The requirements of this standard are in addition to and complement CEA-861-F [1]. All devices compliant to CEA-861.2 shall also comply with CEA-861-F [1], except that this standard modifies Table 31 and deprecates and replaces Tables 29, 30 and 46 of CEA-861-F [1].

2 References

2.1 Normative References

The following standards contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed here.

2.1.1 Normative Reference List

1. CEA-861-F, A DTV Profile for Uncompressed High Speed Digital Interfaces, May 2014
2. ISO/IEC 62574, Audio, video and multimedia systems - General channel assignment of multichannel audio
3. ISO/IEC 23008-3, Information technology -- High efficiency coding and media delivery in heterogeneous environments -- Part 3: 3D audio
4. ISO/IEC 60958 Digital audio interface
5. ETSI TS 103 190 V1.1.1 (2014-04) Digital Audio Compression (AC-4) Standard, Internet:
6. IEC 61937-13: Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 13: MPEG-H 3D Audio
7. IEC 61937-14: Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 14: Non-linear PCM bitstreams according to the AC-4 format
8. IEC 60958-3 Digital Audio Interface - Part 3: Consumer Applications, First Edition, 1999
9. VESA E-EDID™ Standard, VESA Enhanced Extended Display Identification Data Standard, Release A, Revision 1, February 9, 2000

2.1.2 Normative Reference Acquisition

ANSI/CEA Standards

- Global Engineering Documents, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet: http://global.ihs.com;Email global@ihs.com

ISO/IEC Standards

- 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; Web: www.iec.ch; Email: inmail@iec.ch

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