

# Exhibit 2032

# High-Definition Multimedia Interface

## Specification Version 1.2a

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Philips Consumer Electronics, International B.V.

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# Preface

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## **Document Revision History**

1.2a	2005/12/14	<p>Changes to CEC supplement (see supplement for details)          Eliminated <math>I_{OFF}</math> and made <math>V_{OFF}</math> normative (4.2.4)          Changed CEC resistance to 5 ohms (4.2.10)          Clarified DVI device discrimination (8.3.3)          Several minor editorial (throughout)</p>
1.2	2005/08/22	<p>Removed limitations on Type A connector usage (4.1.2, 6.1)          Required new connector mechanical features, optional in 1.1 (4.1.9)          Required Sink support for future AC-coupled Sources (4.2.5)          Add note regarding maximum ratings of Sink (4.2.5)          Clarified Cable Assembly use of +5V Power (4.2.7)          Removed incorrect testing method for DDC capacitance (4.2.8)          Clarified when separate CEC lines on inputs are allowed (4.2.10)          Add maximum resistance spec for interconnected CEC line (4.2.10)          Remove CEC leakage current limit while in standby (4.2.10)          Relaxed <math>Y_{CB}C_R</math> output requirement for RGB devices (6.2.3)          Added support for additional video formats (6.3, and 7.3.2, 8.2.1)          Corrected sample rate requirement from 1000 ppm to <math>\pm 1000</math> ppm (7.3)          Clarified use of Speaker Allocation Data Block (7.4)          Added support for One Bit audio (7.9, and throughout)          Clarified exception for 640x480p (VGA) declaration in EDID (8.3.4)          Loosened requirement for duplicated DTD declarations (8.3.4)          Added recommendation for setting Supports_AI (9.2)          Clarified the behavior of Repeater to Sink with Supports_AI (9.3.2)          Clarified rule for DVD-Audio ACP Packet transmission (9.3.5)          Additional minor editorial (throughout)</p>
1.1	2004/05/20	<p>Permitted multi-rate preferred format support on Type A Sinks (4.1.2)          Changed connector mechanical spec (4.1.9)          Changed connector electrical spec (4.1.7)          Removed CEC / +5V Power dependency for Source (4.2.7)          Loosened regulation requirements for +5V Power (4.2.7)          Made HPD voltages consistent with new +5V Power (4.2.9)          Clarified CEC connection requirements (4.2.10)          Restricted CTLx values allowed in non-Preamble periods (5.2.1)          Added new Packet Types (5.3.1)          Clarified InfoFrame Packet requirements (5.3.5)          Added ACP and ISRC Packet definitions and usage (5.3.7, 8.8, 9.3)          Specified recommended handling of non-Subpacket 0 CS blocks (7.1)          Clarified audio sample rate requirements (7.3)          Disallowed Layout 1 2-channel (7.6)          Clarified AVI transmission requirements (8.2.1)          Added extension fields and clarified HDMI VSDB (8.3.2)          Clarified DVI/HDMI device discrimination (8.3.3)          Clarified HPD behavior (8.5)          Clarified EDID values of Physical Addresses (8.7)          Made minor editorial changes (throughout)</p>

1.0 2002/12/09 Initial Release

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