
**Information technology — Coding
of audio-visual objects —**

**Part 2:
Visual**

**AMENDMENT 2: New levels for simple
profile**

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Technologies de l'information — Codage des objets audiovisuels —

ISO/IEC 14496-2:2004/Amd.2:2005

Partie 2: Codage visuel

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AMENDEMENT 2: Nouveaux niveaux pour profil simple

781201bc19c0/iso-iec-14496-2-2004-amd-2-2005

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 2 to ISO/IEC 14496-2:2004 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

This amendment specifies two new Levels for the ISO/IEC 14496-2 Simple Profile: Level 4a and Level 5. These levels define increased capabilities of VMV size, VCV buffer size, VCV decoder rate, VBV buffer size, video packet length, and bit rate for the Simple Profile. In particular, Level 4a and Level 5 provide support for typical visual session sizes of 640x480 (often known as "VGA resolution") and 720x576 (often known as "European SDTV resolution"), respectively, in rectangular-VOP luminance sample units.

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In Table G-1, after the line,

Simple Profile/Level 3	00000011
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add the following lines:

Simple Profile/Level 4a	00000100
Simple Profile/Level 5	00000101

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In Table G-1, replace:

ISO/IEC 14496-2:2004/Amd 2:2005
<https://standards.iteh.ai/catalog/standards/sist/d77eb5cf-7a72-4005-81a-781201bcff9e/iso-iec-14496-2-2004-amd-2-2005>

Reserved	00000100 – 00000111
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with:

Reserved	00000110 – 00000111
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In Annex N, add the following rows to Table N-1 (above the row for Simple Profile/Level3):

Simple	L5	720 × 576	4	4 × Simple	1	3240	1620	40500	N.A.	112	112	16384	N.A.	N.A.	8000	N.A.
Simple	L4a	640 × 480	4	4 × Simple	1	2400	1200	36000	N.A.	80	80	16384	N.A.	N.A.	4000	N.A.

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