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Part 17: Carriage of uncompressed video and images in ISO base media file format

Technologies de l'information — Technologies des systèmes MPEG —

Partie 17: Transport de vidéos et images non compressées dans le format ISO de base pour les fichiers médias

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Foreword

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Information technology — MPEG systems technologies —

Part 17: Carriage of uncompressed video and images in ISO base media file format

1 Scope

This document specifies how uncompressed 2D image and video data is carried in files in the family of standards based on the ISO base media file format (ISO/IEC 14496-12). This includes but is not limited to monochromatic data, colour data, transparency (alpha) information and depth information.

The primary goal of this document is to allow exchange of uncompressed video and image data while relying on the information set provided by the ISO base media file format, such as timing, colour space and sample aspect ratio to specify the interpretation and/or display of video and image data.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 14496-12, *Information technology — Coding of audio-visual objects — Part 12: ISO base media file format*

ISO/IEC 23008-12, *Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 12: Image File Format*

IEEE 754-2008, *IEEE Standard for Floating-Point Arithmetic*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 14496-12 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
block
consecutive bytes within the sample data containing one or more component values for one or more pixels and possible padding

3.2
component
part of the image data representing a single channel (or dimension) of the image

Note 1 to entry: In this document, a component may describe visual information such as luminance or chroma, or other information usually not intended for direct display such as depth or transparency.

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