

ISO/IEC JTC 1

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**Information technology — Generic coding  
of moving pictures and associated audio  
information: Video — Part 2**

**AMENDMENT 1: Frame packing  
arrangement signalling for quincunx pattern**

**iTeh STANDARD PREVIEW**

*Technologies de l'information — Codage générique des images  
animées et du son associé: Données vidéo — Partie 2*  
(standards.iteh.ai)

*AMENDEMENT 1: Arrangement de paquetage de cadre signalant un  
modèle en quinconce Amd 1*

<https://standards.iteh.ai/catalog/standards/sist/14ebf94e-1e01-4175-a383-94445257c318/iso-iec-13818-2-2013-fdamd-1>

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Reference number  
ISO/IEC 13818-2:201#FDAM1:2013(E)

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**INTERNATIONAL STANDARD**  
 ISO/IEC 13818-2:201X/FDAM 1  
 ITU-T H.262 (201X)/FAmd.1 (201X)  
**ITU-T RECOMMENDATION**

**INFORMATION TECHNOLOGY – GENERIC CODING OF MOVING PICTURES AND  
 ASSOCIATED AUDIO INFORMATION: Video**

**Amendment 1**

**Frame packing arrangement signalling for quincunx pattern**

**1) Table L-1**

*Replace Table L-1 with the following:*

**Table L-1 – Semantics of arrangement\_type**

arrangement_type	Meaning
0000011	stereo side by side (with rectangular grid sampling)
0000100	stereo top and bottom (with rectangular grid sampling)
0001000	2D video (with rectangular grid sampling)
0100011	stereo side by side with quincunx sampling
other values	reserved for possible future extensions, defined by ITU-T/ISO/IEC

**2) Annex L**

*Add the following at the end of Annex L:*

In the case of the "stereo side by side with quincunx sampling" arrangement indication, the picture is divided into two halves, each of which has half resolution representing a quincunx pattern sampling (relative to the displayable part of the encoded picture). The left view is on the left side of the displayable part of the encoded picture and the right view is on the right side of the displayable part of the encoded picture. The border position between the two halves is at the centre of the displayable part of each scan line within the displayable part of the encoded picture. The indicated sampling positions, relative to the sampling grid of a hypothetical upconverted full-resolution picture, are different for the samples in each half. The sampling positions for the "stereo side by side with quincunx sampling" arrangement are shown in Figure L-3.

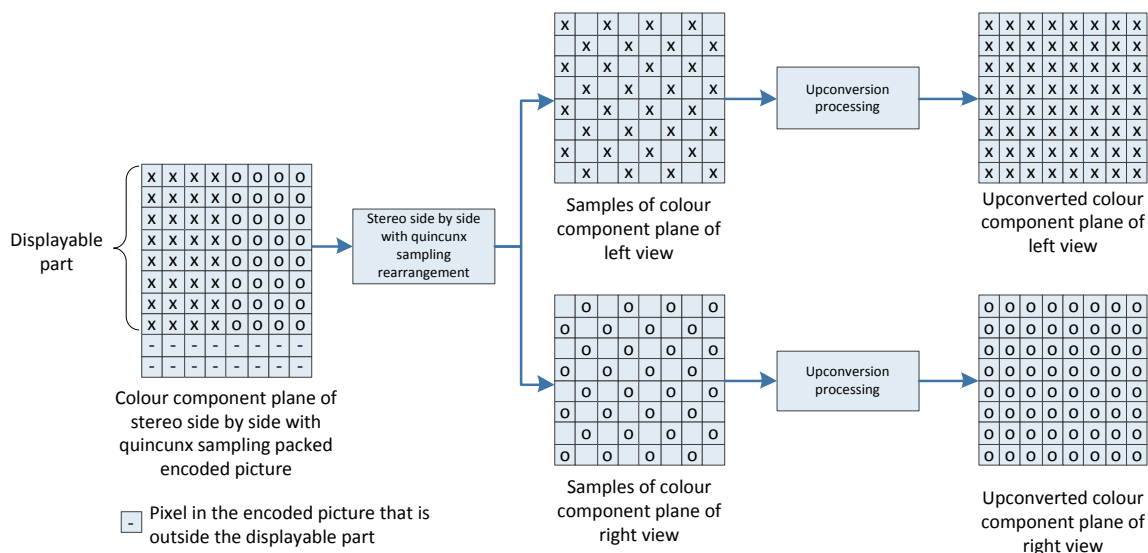


Figure L-3 – Rearrangement and hypothetical upconversion of "stereo side by side with quincunx sampling" arrangement views to convert to the full resolution of the displayable part of the encoded picture

NOTE 3 – Pixels marked as "-" in Figure L-3 illustrate pixels in the encoded picture that are outside the displayable part. These pixels are discarded after the decoding of the picture.

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