
**Information technology — Plenoptic
image coding system (JPEG Pleno) —**

**Part 2:
Light field coding**

**AMENDMENT 1: Profiles and levels for
JPEG Pleno light field coding system**

*Technologies de l'information — Système de codage d'images
plénoptiques (JPEG Pleno) —*

Partie 2: Codages des champs de lumière

*AMENDEMENT 1: Profils et niveaux pour le système de codage des
champs de lumière JPEG Pleno*

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Information technology — Plenoptic image coding system (JPEG Pleno) —

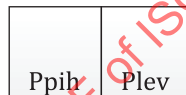
Part 2: Light field coding

AMENDMENT 1: Profiles and levels for JPEG Pleno light field coding system

A.3.2

Replace the content of A.3.2 with the following:

Profile and levels shall be as defined in Annex F. The type of the JPEG Pleno Profile and Level box shall be 'jppl' (0x6A70 686F) and contents of the box shall have the organization as in Figure A.2 and format as in Table A.2.



Key

Pp1h profile of the codestream (as defined in Annex F)

Plev level of the codestream (as defined in Annex F)

Figure A.2 — Organization of the contents of a JPEG Pleno Profile and Level box

Table A.2 — Format of the contents of the JPEG Pleno Profile and Level box

Field name	Size (bits)	Value
Pp1h	16	Variable, defined in Annex F
Plev	16	Variable, defined in Annex F

Annex E

At the end of Annex E, add a new Annex F as follows:

Annex F (normative)

Profiles and levels for JPEG Pleno light field coding system

F.1 General

This annex defines two profiles named baseline block-based profile and baseline view-based profile. The baseline block-based profile comprises all coding tools belonging to the 4D transform mode coding path. The baseline view-based profile comprises all coding tools belonging to the 4D prediction mode coding path. The 4D transform mode and the 4D prediction mode are specified in 7.2.

Figure F.1 shows the relationship between the coding tools in this document and the profiles defined in this Annex.

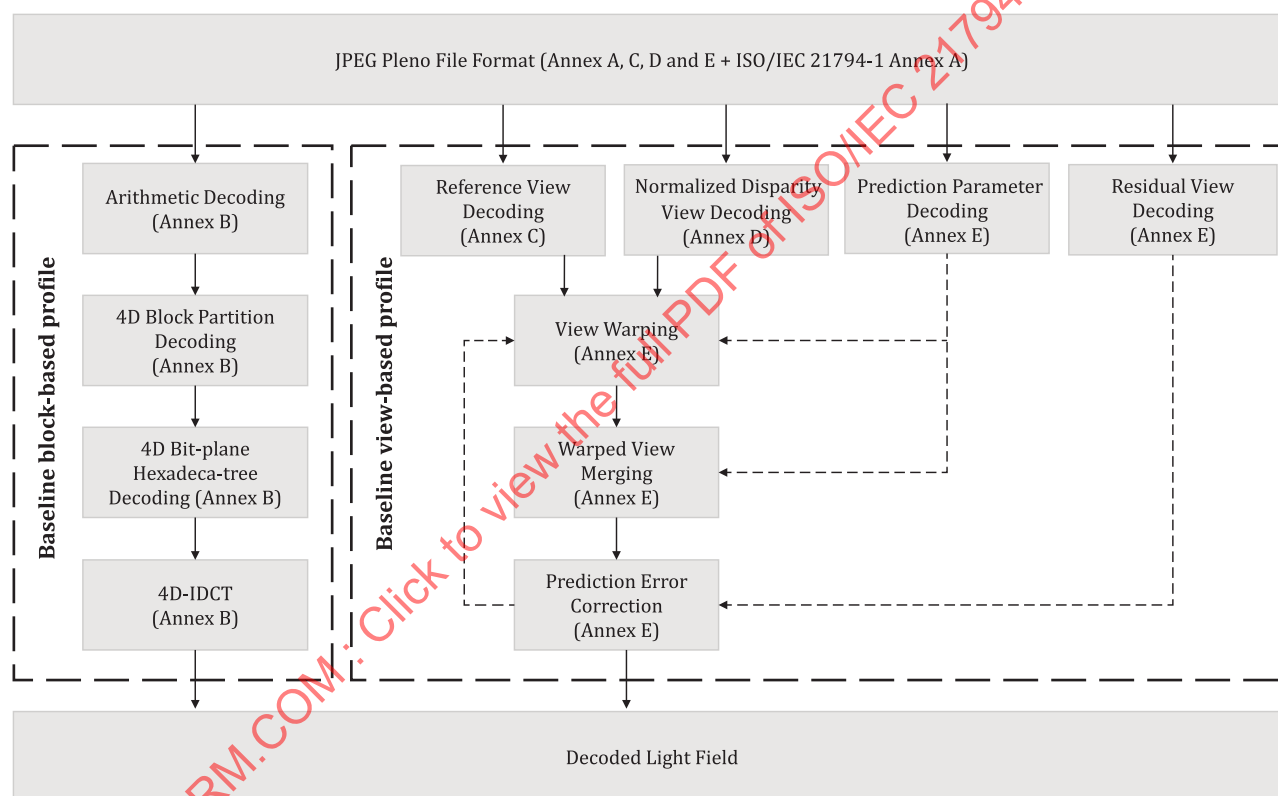


Figure F.1 — Relationship between coding tools and profiles

F.2 Profiles

The JPEG Pleno profile and level box (A.3.2) shall be used for signalling one of the two profiles setting the Ppnh value according to the values defined in Table F.1. JPEG Pleno decoders that conform to the Baseline view-based profile shall use ITU-T Rec. T.800 | ISO/IEC 15444-1 for decoding reference views (C.3.1), normalized disparity views (D.3.1), and residual images (E.3.1).