

ISO/IEC 23001-17:2024-02 (E)

Information technology - MPEG systems technologies - Part 17: Carriage of uncompressed video and images in ISO base media file format

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Uncompressed video and image formats	2
4.1	Overview	2
4.2	Storage in media tracks	3
4.3	Storage in image items	3
5	Uncompressed frame description	4
5.1	Component Definition	4
5.1.1	Definition	4
5.1.2	Syntax	6
5.1.3	Semantics	6
5.2	Uncompressed Frame Configuration	6
5.2.1	Definition	6
5.2.2	Syntax	21
5.2.3	Semantics	21
5.2.4	Examples	22
5.3	Profiles for uncompressed frame configurations	28
5.3.1	Overview	28
5.3.2	Predefined configurations	29
5.4	MIME type sub-parameters	30
6	Component description extensions	31
6.1	Extensions for uncompressed video and uncompressed images	31
6.1.1	Overview	31
6.1.2	Component Palette configuration	31
6.1.3	Component Pattern Definition	32
6.1.4	Component Reference Level	33
6.1.5	Polarization Pattern Definition	34
6.1.6	Sensor Non-Uniformity Correction	36
6.1.7	Sensor Bad Pixels Map	37
6.1.8	Chroma Location	38
6.1.9	Frame Packing Information	39
6.1.10	Disparity Information	39
6.1.11	Depth Mapping Information	40
6.2	Sample group descriptions	40
6.2.1	Field Interlace Type	40
6.3	Image Item properties	41
6.3.1	Field Interlace Property	41
7	Multiple tracks and items storage	42
7.1	Overview	42
7.2	Component video track group	42
7.3	Image tiling using ISOBMFF tracks and items	42
Bibliography		44