

# ISO/IEC 10918-7:2023-11 (E)

## Information technology - Digital compression and coding of continuous-tone still images - Part 7: Reference software

---

<b>Contents</b>		<b>Page</b>
1	Scope .....	1
2	Normative references .....	1
3	Definitions .....	1
4	Abbreviations .....	1
5	Conventions.....	2
6	Reference software .....	2
6.1	Purpose .....	2
6.2	Examples of use .....	2
6.3	General .....	2
	Annex A – Unpacking and compiling reference software A .....	4
	Annex B – Using reference software A .....	5
	B.1 General .....	5
	B.2 Encoder options defining the quality of the image.....	5
	B.3 Options controlling the colour space.....	5
	B.4 Options controlling the scan generation and entropy coding .....	5
	B.5 Options controlling the quantizer .....	6
	B.6 Options controlling the subsampling of components .....	6
	B.7 Miscellaneous options .....	6
	B.8 Decoder options .....	6
	Annex C – Unpacking and compiling reference software B.....	7
	Annex D – Using reference software B .....	8
	D.1 General .....	8
	D.2 Encoder options defining the quality of the base and full image .....	8
	D.3 Encoder options controlling the colour space .....	8
	D.4 Encoder options controlling the scan generation and entropy coding .....	8
	D.5 Encoder options controlling the DCT implementation.....	9
	D.6 Encoder options controlling the subsampling of components .....	9
	D.7 Miscellaneous encoder options .....	9
	D.8 Decoder options controlling the choice of the inverse discrete cosine transform .....	10
	D.9 Decoder options selecting the output file format .....	10
	D.10 Decoder options controlling the rendering of the output image .....	10
	D.11 Miscellaneous decoder options .....	11
	D.12 Decompressing to pgx.....	11
	Bibliography .....	12