

ISO 12234-1:2025-07 (E)

Digital imaging - Image storage - Part 1: Reference model

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Reference model		2
4.1	General considerations	2
4.2	Image storage application profiles (ISAP)	3
4.3	Image data format	3
4.4	File system	3
4.5	Media profiles	4
5 Required characteristics for image storage application profiles		4
5.1	General	4
5.2	Interoperability	4
5.3	Flexibility	4
5.4	Extensibility	4
5.5	Platform independence	5
5.6	Multiple storage technologies	5
5.7	Elimination of redundancy	5
6 Image data format specification		5
6.1	General considerations	5
6.2	Application layer for image data	5
6.3	Presentation layer	5
6.4	Image data formats	5
6.4.1	General	5
6.4.2	Feature classifications	6
6.4.3	Guidance for persisting metadata	6
6.4.4	Image data features and guidance for persisting the features	7
6.5	Application layer for sound data	28
7 File system requirements		28
7.1	General considerations	28
7.2	Directory structure and name	28
7.3	Object	29
7.3.1	General	29
7.3.2	Object type	29
7.3.3	Object file name and file extension	29
7.4	Interoperability	29
7.5	Device requirement level	29
Annex A (normative) TIFF/EP image data format		31
Annex B (normative) Exif image data format		32
Annex C (normative) Image data format — JPEG 2000, Part 1 and 2		33
Annex D (informative) DCF file system		34
Bibliography		36