

ISO/IEC 23090-25:2025-01 (E)

Information technology - Coded representation of immersive media - Part 25: Conformance and reference software for carriage of visual volumetric video-based coding data

Contents		Page
Foreword		v
Introduction		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Abbreviated terms		1
5 Reference software for ISO/IEC 23090-10		2
5.1 General.....		2
5.2 Architecture.....		2
5.3 Features.....		2
5.4 V3C carriage library API.....		4
5.4.1 General.....		4
5.4.2 V3CCreateBox.....		4
5.4.3 V3CCreateAtlasParamSampleGroupDescriptionEntry.....		4
5.4.4 V3CAddSetupUnitToAtlasParamSampleGroupEntry.....		5
5.4.5 V3CPutAtlasParamSampleGroupEntry.....		5
5.4.6 V3CGetAtlasParamSampleGroupDescriptionEntryNALCnt.....		5
5.4.7 V3CGetNALUnitFromAtlasParamSampleGroupEntry.....		5
5.4.8 V3CNewBitstreamSampleEntry.....		6
5.4.9 V3CNewAtlasSampleEntry.....		6
5.4.10 V3CNewAtlasTileSampleEntry.....		6
5.4.11 V3CAddV3CParameterSet.....		6
5.4.12 V3CAddSetupUnit.....		7
5.4.13 V3CAddUnitHeader.....		7
5.4.14 V3CAddTileId.....		7
5.4.15 V3CSetLodIdx.....		7
5.4.16 V3CGetCommonInfoFromSampleEntry.....		7
5.4.17 V3CGetUnitHeaderInfoFromResvSampleEntry.....		8
5.4.18 V3CGetV3CParameterSet.....		8
5.4.19 V3CGetSetupUnit.....		9
5.4.20 V3CGetUnitHeader.....		9
5.4.21 V3CGetSetupUnitCnt.....		9
5.4.22 V3CGetTileIdCnt.....		9
5.4.23 V3CGetTileId.....		9
5.4.24 V3CGetLodIdx.....		10
5.4.25 V3CParseBox.....		10
5.4.26 V3CParseUnknownBox.....		10
5.4.27 V3CNewVideoHEVCSESampleEntry.....		10
5.5 Usage of V3CCarriageApp.....		10
5.6 Copyright disclaimer for software modules.....		11
6 Conformance for ISO/IEC 23090-10		11
6.1 General.....		11
6.2 Timed V3C for DASH.....		11
6.2.1 General.....		11
6.2.2 RedAndBlack.....		12

6.2.3	Soldier	13
6.2.4	LongDress	13
6.2.5	Mitch	13
6.2.6	Thomas	14
6.3	Timed V3C	14
6.3.1	General	14
6.3.2	timed_vpcc_01.mp4	15
6.3.3	timed_vpcc_02.mp4	15
6.3.4	timed_miv_01.mp4	15
6.3.5	timed_miv_02.mp4	16
6.3.6	S24C2RAR04_redandblack.mp4	16
6.3.7	S25C2RAR04_soldier.mp4	16
6.3.8	S26C2RAR04_longdress.mp4	16
6.3.9	S42C2RAR04_mitch.mp4	16
6.3.10	S43C2RAR04_thomas.mp4	16
6.4	Non-timed V3C	16
6.4.1	General	16
6.4.2	non_timed_vpcc_01.mp4	17
6.4.3	non_timed_miv_01.mp4	17
Bibliography		18