

Sx - Formats Supported (Generator/Analyzer)

SMPTE Stnds. Link (Content)	Interface	Resolution	Sampling Structure	Pixel Depth	Frame/Field Rate	SxA	SxD	SxE	TAG SDI	TAG 2022-6	TAG 2110
ST 259 (ST 125)	SD (625i)	720 x 576	4:2:2 (YCbCr)	10	50i	●	●	●	●	●	-
ST 259 (ST 125)	SD (525i)	720 x 485	4:2:2 (YCbCr)	10	59.94i	●	●	●	●	●	-
ST 292 (ST 296)	HD	1280 x 720	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p	●	●	●	●	●	●
ST 292 (ST 260)	HD	1920 x 1035	4:2:2 (YCbCr)	10	60i, 59.94i	●	●	●	●	-	-
ST 292 (ST 274)	HD	1920 x 1080	4:2:2 (YCbCr)	10	60i, 59.94i, 50i	●	●	●	●	●	●
ST 292 (ST 274)	HD	1920 x 1080	4:2:2 (YCbCr)	10	30p, 29.97p, 25p, 24p, 23.98p	●	●	●	●	●	●
ST 292 (RP 211)	HD	1920 x 1080	4:2:2 (YCbCr)	10	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF	●	●	●	●	●	*
ST 292 (ST 2048-2)	HD	2048 x 1080	4:2:2 (YCbCr)	10	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	●	●	●	N/A	N/A	N/A
ST 372 (ST 274)	Dual Link HD	1920 x 1080	4:2:2 (YCbCr)	10	60p, 59.94p, 50p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 274)	Dual Link HD	1920 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 274)	Dual Link HD	1920 x 1080	4:4:4 (YCbCr/RGB)	12	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 274)	Dual Link HD	1920 x 1080	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 2048-2)	Dual Link HD	2048 x 1080	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 48p, 47.95p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 2048-2)	Dual Link HD	2048 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 2048-2)	Dual Link HD	2048 x 1080	4:4:4 (YCbCr/RGB)	12	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 2048-2)	Dual Link HD	2048 x 1080	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 428-9)	Dual Link HD	2048 x 1080	4:4:4 (XYZ)	12	24PsF 24p	N/A	●	N/A	N/A	N/A	N/A
ST 372 (ST 428-19)	Dual Link HD	2048 x 1080	4:4:4 (XYZ)	12	30PsF, 25PsF 30p, 25p	N/A	●	N/A	N/A	N/A	N/A
ST 425-1 (ST 274)	3G Level A (I)	1920 x 1080	4:2:2 (YCbCr)	10	60p, 59.94p, 50p	●	●	●	○	○	○
ST 425-1 (ST 2048-2)	3G Level A (I)	2048 x 1080	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	○	**	○
ST 425-1 (ST 296)	3G Level A (2)	1280 x 720	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 274)	3G Level A (2)	1920 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 2048-2)	3G Level A (2)	2048 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 274)	3G Level A (3)	1920 x 1080	4:4:4 (YCbCr/RGB)	12	60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 2048-2)	3G Level A (3)	2048 x 1080	4:4:4 (YCbCr/RGB)	12	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 428-9)	3G Level A (3)	2048 x 1080	4:4:4 (XYZ)	12	24PsF	○	●	○	○	-	-
ST 425-1 (ST 428-19)	3G Level A (3)	2048 x 1080	4:4:4 (XYZ)	12	30PsF, 25PsF	○	●	○	○	-	-
ST 425-1 (ST 274)	3G Level A (4)	1920 x 1080	4:2:2 (YCbCr)	12	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 2048-2)	3G Level A (4)	2048 x 1080	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	-
ST 425-1 (ST 274)	3G Level B-DL (I)	1920 x 1080	4:2:2 (YCbCr)	10	60p, 59.94p, 50p	●	●	●	○	-	N/A
ST 425-1 (ST 2048-2)	3G Level B-DL (I)	2048 x 1080	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	○	-	N/A
ST 425-1 (ST 274)	3G Level B-DL (II)	1920 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	N/A
ST 425-1 (ST 2048-2)	3G Level B-DL (II)	2048 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	N/A
ST 425-1 (ST 274)	3G Level B-DL (III)	1920 x 1080	4:4:4 (YCbCr/RGB)	12	60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	N/A
ST 425-1 (ST 2048-2)	3G Level B-DL (III)	2048 x 1080	4:4:4 (YCbCr/RGB)	12	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	N/A
ST 425-1 (ST 428-9)	3G Level B-DL (III)	2048 x 1080	4:4:4 (XYZ)	12	24PsF	○	●	○	○	-	N/A
ST 425-1 (ST 428-19)	3G Level B-DL (III)	2048 x 1080	4:4:4 (XYZ)	12	30PsF, 25PsF	○	●	○	○	-	N/A
ST 425-1 (ST 274)	3G Level B-DL (IV)	1920 x 1080	4:2:2 (YCbCr)	12	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	N/A
ST 425-1 (ST 2048-2)	3G Level B-DL (IV)	2048 x 1080	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	○	●	○	○	-	N/A
ST 425-1 (ST 296)	3G Level B-DS	2x (1280 x 720)	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p	●	●	●	○	-	N/A
ST 425-1 (ST 274)	3G Level B-DS	2x (1920 x 1080)	4:2:2 (YCbCr)	10	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	●	●	●	○	-	N/A
ST 425-1 (ST 2048-2)	3G Level B-DS	2x (2048 x 1080)	4:2:2 (YCbCr)	10	60i, 59.94i, 50i, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF, 30p, 29.97p, 25p, 24p, 23.98p	●	●	●	○	-	N/A
Composite	CVBS		PAL-I, PAL-N		50i	N/A	N/A	N/A	●	N/A	N/A
Composite	CVBS		NTSC-M, NTSC-M(JP), PAL-M		59.94i	N/A	N/A	N/A	●	N/A	N/A

*Excluding 23.98, 24
 **Excluding 48, 47.95

Additional Formats (Analyzer - Single Link Only)

The SxA, SxD and SxE handhelds now offer automatic link detection of single links of multi-link 3G and HD based UHD formats, as shown in the table below.

SMPTE Stnds. Link (Content)	Interface	Resolution	Sampling Structure	Pixel Depth	Frame/Field Rate	SxA	SxD	SxE	TAG SDI	TAG 2022-6	TAG 2110
"ST 425-3 Annex B.1, (ST 2036-1)"	Quad-link HD-SQ	3840 x 2160	4:2:2 (YCbCr)	10	30p, 29.97p, 25p, 24p, 23.98p	●	●	●	N/A	N/A	N/A
"ST 425-3 Annex B.1, (ST 2048-1)"	Quad-link HD-SQ	4096 x 2160	4:2:2 (YCbCr)	10	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-3 Annex B.2, (ST 2036-1)"	Dual 3G-B-DS	3840 x 2160	4:2:2 (YCbCr)	10	30p, 29.97p, 25p, 24p, 23.98p	●	●	●	N/A	N/A	N/A
"ST 425-3 Annex B.2, (ST 2048-1)"	Dual 3G-B-DS	4096 x 2160	4:2:2 (YCbCr)	10	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
ST 425-3 (ST 274)	Dual-link 3G-A,B (II)	1920 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	60p, 59.94p, 50p	○	●	○	N/A	N/A	N/A
ST 425-3 (ST 2048-2)	Dual-link 3G-A,B (II)	2048 x 1080	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	N/A	N/A	N/A
ST 425-3 (ST 274)	Dual-link 3G-A,B (III)	1920 x 1080	4:4:4 (YCbCr/RGB)	12	60p, 59.94p, 50p	○	●	○	N/A	N/A	N/A
ST 425-3 (ST 2048-2)	Dual-link 3G-A,B (III)	2048 x 1080	4:4:4 (YCbCr/RGB)	12	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	N/A	N/A	N/A
ST 425-3 (ST 274)	Dual-link 3G-A,B (IV)	1920 x 1080	4:2:2 (YCbCr)	12	60p, 59.94p, 50p	○	●	○	N/A	N/A	N/A
ST 425-3 (ST 2048-2)	Dual-link 3G-A,B (IV)	2048 x 1080	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2036-1)	Quad-link 3G-A,B (I) 2SI	3840 x 2160	4:2:2 (YCbCr)	10	60p, 59.94p, 50p	●	●	●	N/A	N/A	N/A
ST 425-5 (ST 2048-1)	Quad-link 3G-A,B (I) 2SI	4096 x 2160	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2036-1)	Quad-link 3G-A,B (2) 2SI	3840 x 2160	4:4:4 (YCbCr/RGB)	10	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2048-1)	Quad-link 3G-A,B (2) 2SI	4096 x 2160	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2036-1)	Quad-link 3G-A,B (3) 2SI	3840 x 2160	4:4:4 (YCbCr/RGB)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2048-1)	Quad-link 3G-A,B (3) 2SI	4096 x 2160	4:4:4 (YCbCr/RGB)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2036-1)	Quad-link 3G-A,B (4) 2SI	3840 x 2160	4:2:2 (YCbCr)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
ST 425-5 (ST 2048-1)	Quad-link 3G-A,B (4) 2SI	4096 x 2160	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2036-1)"	Quad-link 3G-A,B (I) SQ	3840 x 2160	4:2:2 (YCbCr)	10	60p, 59.94p, 50p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2048-1)"	Quad-link 3G-A,B (I) SQ	4096 x 2160	4:2:2 (YCbCr)	10	60p, 59.94p, 50p, 48p, 47.95p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2036-1)"	Quad-link 3G-A,B (2) SQ	3840 x 2160	4:4:4 (YCbCr/RGB)	10	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2048-1)"	Quad-link 3G-A,B (2) SQ	4096 x 2160	4:4:4 (YCbCr/RGB) 4:4:4:4 (YCbCrA/RGBA)	10	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2036-1)"	Quad-link 3G-A,B (3) SQ	3840 x 2160	4:4:4 (YCbCr/RGB)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2048-1)"	Quad-link 3G-A,B (3) SQ	4096 x 2160	4:4:4 (YCbCr/RGB)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2036-1)"	Quad-link 3G-A,B (4) SQ	3840 x 2160	4:2:2 (YCbCr)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A
"ST 425-5 Annex B, (ST 2048-1)"	Quad-link 3G-A,B (4) SQ	4096 x 2160	4:2:2 (YCbCr) 4:2:2:4 (YCbCrA)	12	30p, 29.97p, 25p, 24p, 23.98p	○	●	○	N/A	N/A	N/A

● Standard (Single Link Only)
○ Optional (Single Link Only)