

HDR ENCODING

Voukoder 2.3beta4

SOURCE FILE

General
Format : XAVC
Codec ID : XAVC (XAVC/mp42/iso2)
File size : 268 MiB
Duration : 22 s 80 ms
Overall bit rate mode : Variable
Overall bit rate : 102 Mb/s
Encoded date : UTC 2019-10-24 16:46:01
Tagged date : UTC 2019-10-24 16:46:01

Video
ID : 1
Format : AVC
Format/Info : Advanced Video Codec
Format profile : High@L5.1
Format settings : CABAC / 2 Ref Frames
Format settings, CABAC : Yes
Format settings, ReFrames : 2 frames
Codec ID : avc1
Codec ID/Info : Advanced Video Coding
Duration : 22 s 80 ms
Bit rate mode : Variable
Bit rate : 100.0 Mb/s
Width : 3 840 pixels
Height : 2 160 pixels
Display aspect ratio : 16:9
Frame rate mode : Constant
Frame rate : 25.000 FPS
Color space : YUV
Chroma subsampling : 4:2:0
Bit depth : 8 bits
Scan type : Progressive
Bits/(Pixel*Frame) : 0.482
Stream size : 263 MiB (98%)
Encoded date : UTC 2019-10-24 16:46:01
Tagged date : UTC 2019-10-24 16:46:01
Color range : Limited
Color primaries : BT.2020
Transfer characteristics : HLG
Matrix coefficients : BT.2020 non-constant
Codec configuration box : avcC

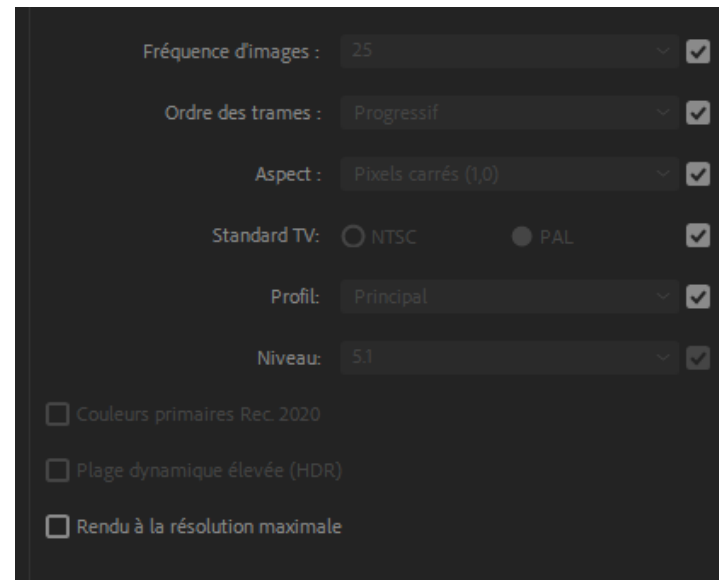


REFERENCE PICTURE

PREMIERE PRO CC 2018 – PREMIERE H264 ENCODER IN SDR

General
Format : MPEG-4
Format profile : Base Media / Version 2
Codec ID : mp42 (mp42/mp41)
File size : 28.1 MiB
Duration : 22 s 80 ms
Overall bit rate mode : Variable
Overall bit rate : 10.7 Mb/s

Video
ID : 1
Format : AVC
Format/Info : Advanced Video Codec
Format profile : Main@L5.1
Format settings : CABAC / 4 Ref Frames
Format settings, CABAC : Yes
Format settings, ReFrames : 4 frames
Codec ID : avc1
Codec ID/Info : Advanced Video Coding
Duration : 22 s 80 ms
Bit rate : 10.4 Mb/s
Width : 3 840 pixels
Height : 2 160 pixels
Display aspect ratio : 16:9
Frame rate mode : Constant
Frame rate : 25.000 FPS
Standard : PAL
Color space : YUV
Chroma subsampling : 4:2:0
Bit depth : 8 bits
Scan type : Progressive
Bits/(Pixel*Frame) : 0.050
Stream size : 27.3 MiB (97%)
Language : English
Encoded date : UTC 2019-11-09 14:26:08
Tagged date : UTC 2019-11-09 14:26:08
Color range : Limited
Color primaries : BT.709
Transfer characteristics : BT.709
Matrix coefficients : BT.709
Codec configuration box : avcC



PREMIERE VIDEO TAB

PREMIERE PRO CC 2018 – PREMIERE H264 ENCODER IN SDR



HDR SOURCE

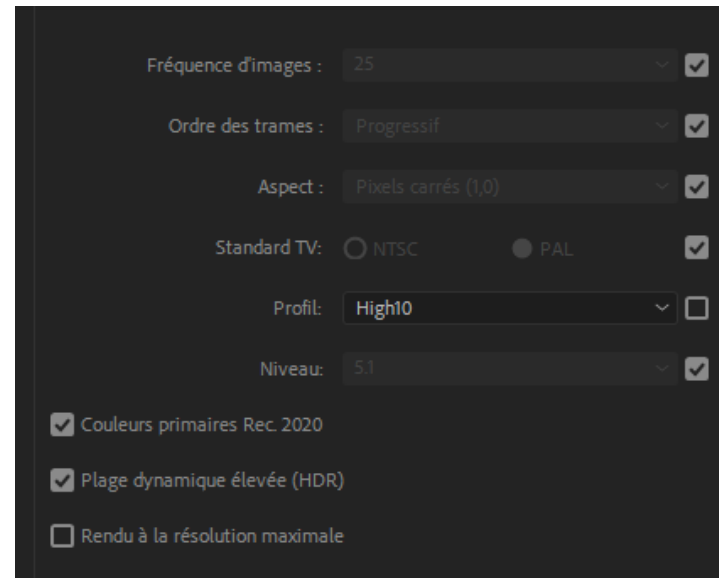


PREMIERE H264 SDR ENCODE

PREMIERE PRO CC 2018 – PREMIERE H264 ENCODER IN HDR

General
Format : MPEG-4
Format profile : Base Media / Version 2
Codec ID : mp42 (mp42/mp41)
File size : 27.6 MiB
Duration : 22 s 80 ms
Overall bit rate mode : Variable
Overall bit rate : 10.5 Mb/s

Video
ID : 1
Format : AVC
Format/Info : Advanced Video Codec
Format profile : High 10@L5.1
Format settings : CABAC / 4 Ref Frames
Format settings, CABAC : Yes
Format settings, ReFrames : 4 frames
Codec ID : avc1
Codec ID/Info : Advanced Video Coding
Duration : 22 s 80 ms
Bit rate : 10.2 Mb/s
Width : 3 840 pixels
Height : 2 160 pixels
Display aspect ratio : 16:9
Frame rate mode : Constant
Frame rate : 25.000 FPS
Standard : PAL
Color space : YUV
Chroma subsampling : 4:2:0
Bit depth : 10 bits
Scan type : Progressive
Bits/(Pixel*Frame) : 0.049
Stream size : 26.8 MiB (97%)
Language : English
Encoded date : UTC 2019-11-09 14:33:10
Tagged date : UTC 2019-11-09 14:33:10
Color range : Full
Color primaries : BT.2020
Transfer characteristics : PQ
Matrix coefficients : BT.2020 non-constant
Codec configuration box : avcC



PREMIERE VIDEO TAB

PREMIERE PRO CC 2018 – PREMIERE H264 ENCODER IN HDR



HDR SOURCE

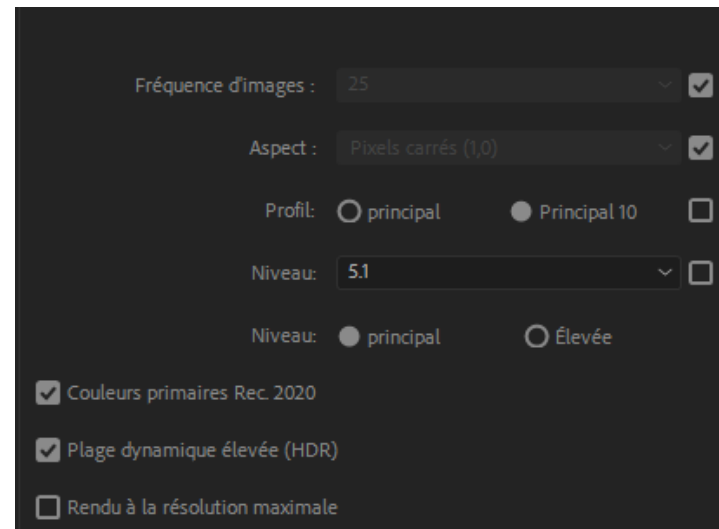


PREMIERE H264 HDR ENCODE

PREMIERE PRO CC 2018 – PREMIERE HEVC ENCODER IN HDR

General
Format : MPEG-4
Format profile : Base Media / Version 2
Codec ID : mp42 (mp42/mp41)
File size : 107 MiB
Duration : 22 s 80 ms
Overall bit rate mode : Variable
Overall bit rate : 40.7 Mb/s

Video
ID : 1
Format : HEVC
Format/Info : High Efficiency Video Coding
Format profile : Main 10@L5.1@Main
Codec ID : hvc1
Codec ID/Info : High Efficiency Video Coding
Duration : 22 s 80 ms
Bit rate : 40.3 Mb/s
Width : 3 840 pixels
Height : 2 160 pixels
Display aspect ratio : 16:9
Frame rate mode : Constant
Frame rate : 25.000 FPS
Color space : YUV
Chroma subsampling : 4:2:0
Bit depth : 10 bits
Bits/(Pixel*Frame) : 0.195
Stream size : 106 MiB (99%)
Language : English
Encoded date : UTC 2019-11-09 16:01:36
Tagged date : UTC 2019-11-09 16:01:36
Color range : Full
Color primaries : BT.2020
Transfer characteristics : PQ
Matrix coefficients : BT.2020 non-constant
Codec configuration box : hvcC



PREMIERE VIDEO TAB

PREMIERE PRO CC 2018 – PREMIERE HEVC ENCODER IN HDR



HDR SOURCE



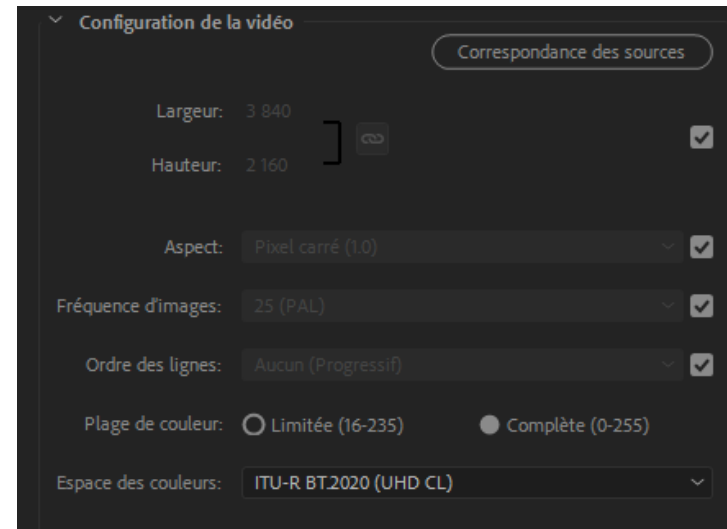
PREMIERE HEVC HDR ENCODE

PREMIERE PRO CC 2018 – VOUKODER X265 ENCODER IN HDR

General
 Format : MPEG-4
 Format profile : Base Media
 Codec ID : isom (isom/iso2/mp41)
 File size : 189 MiB
 Duration : 22 s 91 ms
 Overall bit rate : 71.8 Mb/s

Video
 ID : 1
 Format : HEVC
 Format/Info : High Efficiency Video Coding
 Format profile : Main 10@L5@Main
 Codec ID : hev1
 Codec ID/Info : High Efficiency Video Coding
 Duration : 22 s 80 ms
 Bit rate : 71.5 Mb/s
 Width : 3 840 pixels
 Height : 2 160 pixels
 Display aspect ratio : 16:9
 Frame rate mode : Constant
 Frame rate : 25.000 FPS
 Color space : YUV
 Chroma subsampling : 4:2:0
 Bit depth : 10 bits
 Scan type : Progressive
 Bits/(Pixel*Frame) : 0.345
 Stream size : 188 MiB (100%)
 Writing library : x265 3.2_RC1:[Windows][MSVC 1916][64 bit]
 10bit
 Color range : Full
 Color primaries : BT.2020
 Transfer characteristics : PQ
 Matrix coefficients : BT.2020 non-constant
 Codec configuration box : hvcC

Encoding settings : cpuid=1111039 / frame-threads=3 /
 numa-pools=8 / wpp / no-pmode / no-pme / no-psnr / no-ssim /
 log-level=2 / input-csp=1 / input-res=3840x2160 / interlace=0
 / total-frames=0 / level-idc=0 / high-tier=1 / uhd-bd=0 / ref=2
 / no-allow-non-conformance / repeat-headers / annexb / no-
 aud / no-hrd / info / hash=0 / no-temporal-layers / open-gop /
 min-keyint=25 / keyint=250 / gop-lookahead=0 / bframes=4 /
 b-adapt=0 / b-pyramid / bframe-bias=0 / rc-lookahead=15 /
 lookahead-slices=8 / scenecut=40 / radl=0 / no-splice / no-
 intra-refresh / ctu=64 / min-cu-size=8 / no-rect / no-amp /
 max-tu-size=32 / tu-inter-depth=1 / tu-intra-depth=1 / limit-
 tu=0 / rdoq-level=0 / dynamic-rd=0.00 / no-ssim-rd / signhide
 / no-tskip / nr-intra=0 / nr-inter=0 / no-constrained-intra /
 strong-intra-smoothing / max-merge=2 / limit-refs=3 / no-
 limit-modes / me=1 / subme=1 / merange=57 / temporal-mvp /
 no-hme / weightp / no-weightb / no-analyze-src-pics /
 deblock=0:0 / sao / no-sao-non-deblock / rd=2 / selective-
 sao=4 / early-skip / rskip / fast-intra / no-tskip-fast / no-cu-
 lossless / no-b-intra / no-splitrd-skip / rdpentalty=0 / psy-
 rd=2.00 / psy-rdoq=0.00 / no-rd-refine / no-lossless /
 cbqpoffs=0 / crqpooffs=0 / rc=crf / crf=15.0 / qcomp=0.60 /
 qpstep=4 / stats-write=0 / stats-read=0 / ipratio=1.40 /
 pbratio=1.30 / aq-mode=2 / aq-strength=1.00 / cutree / zone-
 count=0 / no-strict-cbr / qg-size=32 / no-rc-grain / qpmax=69 /
 qpmin=0 / no-const-vbv / sar=1 / overscan=0 / videoframe=5
 / range=1 / colorprim=9 / transfer=16 / colormatrix=9 /
 chromaloc=0 / display-window=0 / cll=0,0 / min-luma=0 / max-
 luma=1023 / log2-max-poc-lsb=8 / vui-timing-info / vui-hrd-
 info / slices=1 / no-opt-qp-pps / no-opt-ref-list-length-pps / no-
 multi-pass-opt-rps / scenecut-bias=0.05 / no-opt-cu-delta-qp /
 no-aq-motion / no-hdr / hdr-opt / no-dhdr10-opt / no-idr-
 recovery-sei / analysis-reuse-level=5 / scale-factor=0 / refine-
 intra=0 / refine-inter=0 / refine-mv=1 / refine-ctu-
 distortion=0 / no-limit-sao / ctu-info=0 / no-lowpass-dct /
 refine-analysis-type=0 / copy-pic=1 / max-ausize-factor=1.0 /
 no-dynamic-refine / no-single-sei / no-hevc-aq / no-svt / no-
 field / qp-adaptation-range=1.00



PREMIERE VIDEO TAB

PREMIERE PRO CC 2018 – VOUKODER X265 ENCODER IN HDR



HDR SOURCE



VOUKODER X265 HDR ENCODE

STAXRIP X265 ENCODER IN HDR

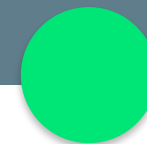
General
 Format : MPEG-4
 Format profile : Base Media
 Codec ID : iso4(iso4/iso6)
 File size : 199 MiB
 Duration : 22 s 143 ms
 Overall bit rate mode : Variable
 Overall bit rate : 75.5 Mb/s

Video
 ID : 1
 Format : HEVC
 Format/Info : High Efficiency Video Coding
 Format profile : Main 10@L5@Main
 Codec ID : hvc1
 Codec ID/Info : High Efficiency Video Coding
 Duration : 22 s 80 ms
 Bit rate : 75.4 Mb/s
 Maximum bit rate : 148 Mb/s
 Width : 3 840 pixels
 Height : 2 160 pixels
 Display aspect ratio : 16:9
 Frame rate mode : Constant
 Frame rate : 25.000 FPS
 Color space : YUV
 Chroma subsampling : 4:2:0
 Bit depth : 10 bits
 Bits/(Pixel*Frame) : 0.363
 Stream size : 198 MiB (100%)
 Writing library : x265 3.2+9-971180b100f8:[Windows][GCC 9.2.0][64 bit] 10bit
 Encoded date : UTC 2019-11-09 15:08:04
 Tagged date : UTC 2019-11-09 15:08:05
 Color range : Limited
 Color primaries : BT.2020
 Transfer characteristics : HLG
 Matrix coefficients : BT.2020 non-constant
 Codec configuration box : hvcC

Encoding settings : cpuid=1111039 / frame-threads=3 / numa-pools=8 / wpp / no-pmode / no-pme / no-psnr / no-ssim / log-level=2 / input-csp=1 / input-res=3840x2160 / interlace=0 / total-frames=552 / level-idc=0 / high-tier=1 / uhd-bd=0 / ref=2 / no-allow-non-conformance / repeat-headers / annexb / no-aud / no-hrd / info / hash=0 / no-temporal-layers / open-gop / min-keyint=25 / keyint=250 / gop-lookahead=0 / bframes=4 / b-adapt=0 / b-pyramid / bframe-bias=0 / rc-lookahead=15 / lookahead-slices=8 / scenecut=40 / radl=0 / no-splice / no-intra-refresh / ctu=64 / min-cu-size=8 / no-rect / no-amp / max-tu-size=32 / tu-inter-depth=1 / tu-intra-depth=1 / limit-tu=0 / rdoq-level=0 / dynamic-rd=0.00 / no-ssim-rd / signhide / no-tskip / nr-intra=0 / nr-inter=0 / no-constrained-intra / strong-intra-smoothing / max-merge=2 / limit-refs=3 / no-limit-modes / me=1 / subme=1 / merange=57 / temporal-mvp / no-frame-dup / no-hme / weightp / no-weightb / no-analyze-src-pics / deblock=0:0 / sao / no-sao-non-deblock / rd=2 / selective-sao=4 / early-skip / rskip / fast-intra / no-tskip-fast / no-cu-lossless / no-b-intra / no-splitrd-skip / rdpentalty=0 / psy-rd=2.00 / psy-rdoq=0.00 / no-rd-refine / no-lossless / cbqpoffs=0 / crqpoffs=0 / rc=crf / crf=15.0 / qcomp=0.60 / qpstep=4 / stats-write=0 / stats-read=0 / ipratio=1.40 / pbratio=1.30 / aq-mode=2 / aq-strength=1.00 / cutree / zone-count=0 / no-strict-cbr / qg-size=32 / no-rc-grain / qpmax=69 / qpmin=0 / no-const-vbv / sar=0 / overscan=0 / videoformat=5 / range=0 / colorprim=9 / transfer=18 / colormatrix=9 / chromaloc=0 / display-window=0 / cll=0,0 / min-luma=0 / max-luma=1023 / log2-max-poc-lsb=8 / vui-timing-info / vui-hrd-info / slices=1 / no-opt-qp-pps / no-opt-ref-list-length-pps / no-multi-pass-opt-rps / scenecut-bias=0.05 / no-opt-cu-delta-qp / no-aq-motion / hdr / no-hdr-opt / no-dhdr10-opt / no-idr-recovery-sei / analysis-reuse-level=5 / scale-factor=0 / refine-intra=0 / refine-inter=0 / refine-mv=1 / refine-ctu-distortion=0 / no-limit-sao / ctu-info=0 / no-lowpass-dct / refine-analysis-type=0 / copy-pic=1 / max-ausize-factor=1.0 / no-dynamic-refine / no-single-sei / no-hevc-aq / no-svt / no-field / qp-adaptation-range=1.00



STAXRIP X265 ENCODER IN HDR



HDR SOURCE



STAXRIP X265 ENCODER