

جدول مقایسه ۵۰ کدک تصویری جهت خروجی با کیفیت

Codec	Frame size	Mb/s (24p)	GB/hr (24p)	Bitrate type	Lossyness	Chroma	Bit depth	Create on Mac/PC
Cineform 10-bit HD Film Scan	1920 x 1080	100	45	Variable	3 Minor	4:2:2	10-bit	Yes
Cineform 10-bit HD Film Scan 2	1920 x 1080	180	81	Variable	2 Minimal	4:2:2	10-bit	Yes
Cineform 10-bit HD High	1920 x 1080	85	38	Variable	4 Some	4:2:2	10-bit	Yes
Cineform 10-bit HD Low	1920 x 1080	60	27	Variable	5 High	4:2:2	10-bit	Yes
Cineform 10-bit HD Medium	1920 x 1080	75	34	Variable	4 Some	4:2:2	10-bit	Yes
Cineform 10-bit UHD Film Scan	3840 x 2160	310	140	Variable	3 Minor	4:2:2	10-bit	Yes
Cineform 10-bit UHD Film Scan 2	3840 x 2160	580	261	Variable	2 Minimal	4:2:2	10-bit	Yes
Cineform 10-bit UHD High	3840 x 2160	260	117	Variable	4 Some	4:2:2	10-bit	Yes
Cineform 10-bit UHD Low	3840 x 2160	190	86	Variable	5 High	4:2:2	10-bit	Yes
Cineform 10-bit UHD Medium	3840 x 2160	230	104	Variable	4 Some	4:2:2	10-bit	Yes
Cineform 12-bit HD Film Scan	1920 x 1080	230	104	Variable	2 Minimal	4:4:4	12-bit	Yes
Cineform 12-bit HD Film Scan 2	1920 x 1080	365	164	Variable	3 Minor	4:4:4	12-bit	Yes
Cineform 12-bit HD High	1920 x 1080	195	88	Variable	4 Some	4:4:4	12-bit	Yes
Cineform 12-bit HD Low	1920 x 1080	130	59	Variable	5 High	4:4:4	12-bit	Yes
Cineform 12-bit HD Medium	1920 x 1080	160	72	Variable	4 Some	4:4:4	12-bit	Yes
Cineform 12-bit UHD Film Scan	3840 x 2160	750	338	Variable	3 Minor	4:4:4	12-bit	Yes
Cineform 12-bit UHD Film Scan 2	3840 x 2160	1,210	545	Variable	2 Minimal	4:4:4	12-bit	Yes
Cineform 12-bit UHD High	3840 x 2160	630	284	Variable	4 Some	4:4:4	12-bit	Yes
Cineform 12-bit UHD Low	3840 x 2160	445	200	Variable	5 High	4:4:4	12-bit	Yes
Cineform 12-bit UHD Medium	3840 x 2160	515	232	Variable	4 Some	4:4:4	12-bit	Yes
DNxHD 80	1920 x 1080	80	36	Constant	5 High	4:2:2	8-bit	Yes
DNxHD 444 (a.k.a DNxHD 350x)	1920 x 1080	350	158	Constant	2 Minimal	4:4:4	10-bit	Yes
DNxHD HQ (a.k.a DNxHD 175)	1920 x 1080	175	79	Constant	3 Minor	4:2:2	8-bit	Yes
DNxHD HQX (a.k.a DNxHD 175x)	1920 x 1080	175	79	Constant	3 Minor	4:2:2	10-bit	Yes

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DNxHD LB (a.k.a DNxHD 36)	1920 x 1080	36	16	Constant	5 High	4:2:2	8-bit	Yes
DNxHD SQ (a.k.a DNxHD 115)	1920 x 1080	115	52	Constant	4 Some	4:2:2	8-bit	Yes
DNxHR 444	3840 x 2160	1,399	630	Constant	2 Minimal	4:4:4	12-bit	Yes
DNxHR HQ	3840 x 2160	699	315	Constant	3 Minor	4:2:2	8-bit	Yes
DNxHR HQX	3840 x 2160	699	315	Constant	3 Minor	4:2:2	12-bit	Yes
DNxHR LB	3840 x 2160	144	65	Constant	5 High	4:2:2	8-bit	Yes
DNxHR SQ	3840 x 2160	456	205	Constant	4 Some	4:2:2	8-bit	Yes
DPX HD (uncompressed)	1920 x 1080	1,590	716	Constant	1 None	4:4:4	10-bit	Yes
DPX UHD (uncompressed)	3840 x 2160	6,370	2,867	Constant	1 None	4:4:4	10-bit	Yes
H.264 HD (YouTube settings)	1920 x 1080	8	4	Variable	5 High	4:2:0	8-bit	Yes
H.264 UHD (YouTube settings)	3840 x 2160	40	18	Variable	5 High	4:2:0	8-bit	Yes
ProRes 422 (HD)	1920 x 1080	117	53	Variable	4 Some	4:2:2	10-bit	No*
ProRes 422 (UHD)	3840 x 2160	471	212	Variable	4 Some	4:2:2	10-bit	No*
ProRes 422 HQ (HD)	1920 x 1080	176	79	Variable	3 Minor	4:2:2	10-bit	No*
ProRes 422 HQ (UHD)	3840 x 2160	707	318	Variable	3 Minor	4:2:2	10-bit	No*
ProRes 422 LT (HD)	1920 x 1080	82	37	Variable	5 High	4:2:2	10-bit	No*
ProRes 422 LT (UHD)	3840 x 2160	328	148	Variable	4 Some	4:2:2	10-bit	No*
ProRes 422 Proxy (HD)	1920 x 1080	36	16	Variable	5 High	4:2:2	10-bit	No*
ProRes 422 Proxy (UHD)	3840 x 2160	145	65	Variable	5 High	4:2:2	10-bit	No*
ProRes 4444 (HD) (no alpha)	1920 x 1080	264	119	Variable	2 Minimal	4:4:4	12-bit	No*
ProRes 4444 (UHD) (no alpha)	3840 x 2160	1,061	477	Variable	2 Minimal	4:4:4	12-bit	No*
ProRes 4444 XQ (HD) (no alpha)	1920 x 1080	396	178	Variable	2 Minimal	4:4:4	12-bit	No*
ProRes 4444 XQ (UHD) (no alpha)	3840 x 2160	1,591	716	Variable	2 Minimal	4:4:4	12-bit	No*
Uncompressed HD 8-bit 4:4:4	1920 x 1080	1,192	536	Constant	1 None	4:4:4	8-bit	Yes
Uncompressed HD 10-bit 4:4:4	1920 x 1080	1,490	671	Constant	1 None	4:4:4	10-bit	Yes
Uncompressed UHD 8-bit 4:4:4	3840 x 2160	4,780	2,151	Constant	1 None	4:4:4	8-bit	Yes
Uncompressed UHD 10-bit 4:4:4	3840 x 2160	5,970	2,687	Constant	1 None	4:4:4	10-bit	Yes

- کدک **ProRes** قابل استفاده در ویندوز نیز می باشد. منتهی فقط در نرم افزار های **Nuke** و **Scratch** و البته همراه با باگ! به همین جهت توصیه می کنیم از این فرمت در ویندوز استفاده نکنید.
- این کدک ها صرفاً جهت آرشیو نهایی استفاده می شوند. به همین دلیل از قراردادن کدک هایی مانند H264 در این لیست خودداری شده است، چرا که کیفیت لازم جهت آرشیو نهایی را ندارد.