

R5C NORMAL BIT RATES FOR LOG

RES	CODEC	FRAME RATE	MBIT/s	MBYTE/s	GB/HOUR	CARD
8k	RAW ST	23.98, 24.00	1,580	198	711	CFE
8k	RAW ST	25.00	1,650	206	743	CFE
8k	RAW ST	29.97	1,980	248	891	CFE
8k	RAW LT	23.98, 24.00	1,030	129	464	CFE
8k	RAW LT	25.00	1,070	134	482	CFE
8k	RAW LT	29.97	1,290	161	581	CFE
8k	RAW LT	59.94	2,570	321	1,157	CFE
4k	XF-AVC All-I	23.98, 24, 25, 29.97	410	51	185	v60
4k	XF-AVC All-I	50, 59.94	810	101	365	CFE
4k	XF-AVC GOP	23.98, 24, 25, 29.97	160	20	72	v60
4k	XF-AVC GOP	50, 59.94	260	33	117	v60
8k	MP4	23.98, 24, 25, 29.97	540	68	243	v90
4k	MP4	23.98, 24, 25, 29.97	135	17	61	v60
4k	MP4	50, 59.94	225	28	101	v60

Full R5C Review at <https://moonblink.info/MudLake/gear#R5C>

R5C SLOW&FAST BIT RATES FOR LOG

CODEC	FRAME RATE	SLOW FACTOR	PLAY MBIT/s	RECORD MBIT/s	MB/s	GB/H	CARD
RAW ST	30	1.25	1,580	1,975	247	889	CFE
RAW LT	60	2.5	1,030	2,575	322	1,159	CFE
XF-AVC GOP	60	2.5	160	400	50	180	v60
	120	5	160	800	100	360	CFE
XF-AVC INTRA	60	2.5	410	1,025	128	461	CFE
	120	5	410	2,050	256	923	CFE
MP4	60	2.5	135	338	42	152	v60
	120	5	135	675	84	304	v90

© Mud Lake Films <https://moonblink.info/MudLake>

R5C RECORDING FORMATS — FULL FRAME

CONTAINER	RES	CODEC	F RATES
RAW ST	8K	CRM ≈ 6.4:1	≤ 30 FPS
RAW LT	8K	CRM ≈ 9.8:1	≤ 60 FPS
HDMI RAW	8K	N/A (HDMI OUTPUT)	≤ 30 FPS
XF-AVC	2K, 4K	AVC (H.264)	≤ 120 FPS
MP4 HEVC	2K, 4K	HEVC (H.265)	≤ 120 FPS
MP4 HEVC	8K	HEVC (H.265)	≤ 30 FPS
MP4 H.264	2K, 4K	AVC (H.264)	≤ 120 FPS

MUD LAKE FILMS

Full R5C Review at <https://moonblink.info/MudLake/gear#R5C>

R5C RECORDING FORMATS — SUPER 35

CONTAINER	RES	CODEC	F RATES
RAW HQ	6K	CRM ≈ 3.1:1	≤ 30 FPS
RAW ST	6K	CRM ≈ 6.4:1	≤ 60 FPS
RAW LT	6K	CRM ≈ 9.8:1	≤ 60 FPS
HDMI RAW	6K	N/A (HDMI OUTPUT)	≤ 60 FPS
XF-AVC	4K	AVC (H.264)	≤ 60 FPS
XF-AVC	2K	AVC (H.264)	≤ 120 FPS
MP4 HEVC	4K	HEVC (H.265)	≤ 60 FPS
MP4 HEVC	2K	HEVC (H.265)	≤ 120 FPS
MP4 H.264	4K	AVC (H.264)	≤ 60 FPS
MP4 H.264	2K	AVC (H.264)	≤ 120 FPS

MUD LAKE FILMS

© Mud Lake Films <https://moonblink.info/MudLake>

R5C RECORDING FORMATS — SUPER 16

CONTAINER	RES	CODEC	F RATES
RAW HQ	3K	CRM ≈ 3.1:1	≤ 120 FPS
RAW ST	3K	CRM ≈ 6.4:1	≤ 120 FPS
RAW LT	3K	CRM ≈ 9.8:1	≤ 120 FPS
HDMI RAW	3K	N/A (HDMI OUTPUT)	≤ 60 FPS
XF-AVC	2K	AVC (H.264)	≤ 120 FPS
MP4 HEVC	2K	HEVC (H.265)	≤ 120 FPS
MP4 H.264	2K	AVC (H.264)	≤ 120 FPS

MUD LAKE FILMS

R5C RESOLUTION OPTIONS

	CROPPING	RESOLUTION	NOTES
Non-RAW	UNCROPPED	8192x4320	8k DCI — NOT XF-AVC
		7680x4320	8k DCI — NOT XF-AVC
		4096x2160	4k DCI
		3840x2160	UHD
		2048x1080	2k DCI
		1920x1080	FULL HD
RAW MODES	FULL FRAME	8192x4320	RAW ST, LT, HDMI RAW
	SUPER 35	5952x3140	RAW HQ, ST, LT, HDMI RAW
	SUPER 16	2976x1570	RAW HQ, ST, LT, HDMI RAW

MUD LAKE FILMS

Full R5C Review at <https://moonblink.info/MudLake/gear#R5C>

R5C RESOLUTION TEST RESULTS

CODEC	RES	F RATE	RESOLUTION SCORE	
			On 4k	On 8k
XF-AVC All-I	4k	29.97	10.5	
XF-AVC GOP	4k	29.97	10.5	
XF-AVC All-I	4k	59.94	8	
XF-AVC GOP	4k	59.94	8	
MP4	8k	29.97	13	13
MP4	4k	29.97	10.5	
MP4	4k	59.94	8.5	
RAW ST	8k	29.97	11.5	13.5
RAW LT	8k	29.97	10.5	13.5
RAW LT	8k	59.94	11	12.5
S&F MP4	4k	120	5	
S&F XF-AVC All-I	4k	120	5	
S&F XF-AVC GOP	4k	120	5	

MUD LAKE FILMS

© Mud Lake Films <https://moonblink.info/MudLake>

R5C STILLS RESOLUTIONS (RAW MODES)

CROP MODE	VIDEO SIZE	STILL SIZE
FULL FRAME	8192x4320	4096x2160
SUPER 35	5952x3140	4096x2160
SUPER 16	2976x1570	2048x1080

MUD LAKE FILMS