C80 WIFI & ETHERNET

Function	WiFi Infra.	WiFi Camera AP	Wired Ethernet
FTP File Transfer	Yes	Yes	Yes
Internet Streaming	Yes	No	Yes
Browser Remote	Yes	Yes	Yes
XC Protocol	Yes	Yes	Yes
Content Transfer Pro	Yes	No	No
CV Protocol Metadata	No	No	Yes

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C80 SYSTEM FREQUENCY

System Freq	Frame Rates
59.94	59.94, 29.97, 23.976
50.00	50.00, 25.00
24.00	24.00

C80 MAIN REC FORMAT

Container	Chroma	Depth	Codec	File	Notes
RAW ST	RAW	12-bit	CRM ~ 6.4:1	CRM	Super35 only
RAW LT	RAW	12-bit	CRM ~ 9.8:1	CRM	
XF-AVC	4:2:2	10-bit	AVC / H.264	MXF	
XF-HEVC S	4:2:2	10-bit	HEVC / H.265	MP4	
XF-HEVC S	4:2:0	10-bit	HEVC / H.265	MP4	
XF-AVC S	4:2:2	10-bit	AVC / H.264	MP4	
XF-AVC S	4:2:0	8-bit	AVC / H.264	MP4	

C80 Resolutions

6000×3164	RAW — full frame
4368×2304	RAW — Super 35 crop
4096x2160	4k DCI
3840x2160	UHD
2048x1080	2k DCI
1920x1080	Full HD

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C80 Max Frame Rates

RAW LT Full Frame	29.97
RAW ST Super 35	29.97
RAW LT Super 35	59.94
XF-AVC Intra	59.94
XF-AVC GOP	59.94
XF-HEVC S	59.94

C80 Bit Rates — Raw

Codec	FPS	Mb / s	MB / s	GB / h	Card
FF RAW LT	23.98, 24.00	553	69	249	**v90**
FF RAW LT	25	576	72	259	**v90**
FF RAW LT	29.97	639	80	288	**v90**
S35 RAW ST	23.98, 24.00	451	56	203	v60
S35 RAW ST	25	470	59	212	V60 (just)
S35 RAW ST	29.97	563	70	253	**v90**
S35 RAW LT	23.98, 24.00	293	37	132	v60
S35 RAW LT	25	306	38	138	v60
S35 RAW LT	29.97	360	45	162	v60
S35 RAW LT	50	611	76	275	**v90**
S35 RAW LT	59.94	678	85	305	**v90**

C80 Bit Rates — Compressed

Codec	FPS	Mb / s	MB / s	GB / h	Card
AVC 4k Intra	23.98, 24.00	480	60	216	V60 (just)
AVC 4k Intra	25	500	63	225	v90
AVC 4k Intra	29.97	600	75	270	v90
AVC 4k Intra	50	500	63	225	v90
AVC 4k Intra	59.94	600	75	270	v90
AVC 4k GOP	< 30 FPS	150	19	68	v30*
AVC 4k GOP	> 30 FPS	250	31	113	v60
HEVC 4k GOP	< 30 FPS	135	17	61	v30*
HEVC 4k GOP	> 30 FPS	225	28	101	v30*

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C80 Bit Rates — Slow & Fast — Full Frame

Codec	Target FPS	Shoot FPS	Slow Factor	Play Mb/s	Record Mb/s	MB/s	Card
FF RAW LT	29.97	30	1	639	640	80	v90
AVC 4k Intra	29.97	30	1	600	601	75.1	v90
	29.97	60	2	300	601	75.1	v90
	59.94	60	1	600	601	75.1	v90
AVC 4k GOP	29.97	120	4	150	601	75.1	v90
	59.94	120	2	250	501	62.6	v90
HEVC 4k	23.98	120	5	130	651	81.3	v90
	29.97	120	4	135	541	67.6	v90
	59.94	120	2	225	450	56.3	v60
2k GOP	23.98	180	7.5	50	375	46.9	v60

C80 Bit Rates — Slow & Fast — Super 35

Codec	Target FPS	Shoot FPS	Slow Factor	Play Mb/s	Record Mb/s	MB/s	Card
S35 RAW ST	23.98	30	1.3	451	564	70.5	v90
	29.97	30	1	563	564	70.4	v90
S35 RAW LT	23.98	30	1.3	293	367	45.8	v60
	29.97	30	1	366	366	45.8	v60
	59.94	60	1	678	679	84.8	v90
S35 2k GOP	23.98	120	5	50	250	31.3	v60
	29.97	120	4	50	200	25	v30*
	59.94	120	2	50	100	12.5	v30*

C80 Resolution Tests

Camera	Mode	Codec	FR	Score
C80	Full Frame	RAW LT	29.97	20
C80	Full Frame	XF-AVC Intra	29.97	14.5
C80	Full Frame	XF-AVC Intra	59.94	14
C80	Full Frame	XF-AVC GOP S&F	120	11.5
C80	Super35	RAW LT	29.97	15
C80	Super35	XF-AVC Intra	29.97	13.5
C80	Super35	XF-AVC Intra	59.94	12.5
C80	Super35	XF-AVC GOP S&F	120	12.5
C70	Super35	RAW LT	29.97	15
C70	Super35	XF-AVC Intra	29.97	13.5
R5C	Full Frame	RAW LT	29.97	20 plus
R5C	Full Frame	XF-AVC Intra	29.97	15

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C80 Base ISOs

		Base 1	Base 2	Base 3
Base ISOs	Rec 709 standard	160	640	2,500
	PQ / HLG / Canon 709 / Wide	400	1,600	6,400
	Canon Log 2 / Canon Log 3	800	3,200	12,800
Max ISOs	Standard	6,400	25,600	25,600
	Extended	12,800	51,200	102,400

Mud Lake Films