



LEICA SL3-S

VIDEO SPECIFICATION

Firmware 4.0.0

File Container	Resolution (Menu Wording)	Frame rate	Bit rate	YUV/bit	Comp.	Codec	Audio		35mm			APS-C			SD	CFe	SSD	Proxy	SCL4 Battery				
							codec	sampling	available	crop *1	Sensor readout time [ms]	available	crop *1	Sensor readout time [ms]									
MP4	4K 3840x2160 (16:9)	59.94p	100Mbps	4:2:0 10bit	LongGOP	HEVC	AAC	48kHz/16bit	n/a	-	-	●	1,51	14,2	●	●	●	n/a	n/a				
		50.00p	100Mbps	4:2:0 10bit		HEVC						●		14,4	●	●	●						
		29.97p	100Mbps	4:2:0 8bit		H264						●		14,2	●	●	●						
		25.00p	100Mbps	4:2:0 8bit		H264						●		14,4	●	●	●						
		23.98p	100Mbps	4:2:0 8bit		H264						●		14,2	●	●	●						
	FHD 1920x1080 (16:9)	59.94p	28Mbps	4:2:0 8bit		H264			●	1,00	10,0	●		14,2	●	●	●			●	●	●	●
		50.00p	28Mbps	4:2:0 8bit		H264			●		10,0	●		14,4	●	●	●			●	●	●	
		29.97p	20Mbps	4:2:0 8bit		H264			●		21,7	●		14,2	●	●	●			●	●		
		25.00p	20Mbps	4:2:0 8bit		H264			●		22,0	●		14,4	●	●	●			●	●		
		23.98p	24Mbps	4:2:0 8bit	H264	●	21,7	●	14,2		●	●	●	●	●								
MOV	6K OG 5952x3968 (3:2)	29.97p	200Mbps	4:2:0 10bit	LongGOP	HEVC	LPCM	48kHz/24bit	●	1,01	25,5	n/a	-	-	●	●	●	n/a	n/a				
		25.00p	200Mbps	4:2:0 10bit		HEVC					25,8				●	●	●						
		24.00p	200Mbps	4:2:0 10bit		HEVC					25,8				●	●	●						
		23.98p	200Mbps	4:2:0 10bit		HEVC					25,5				●	●	●						
	C6K 5952x3136 (17:9)	29.97p	200Mbps	4:2:0 10bit		HEVC					●				20,1	●	●			●			
		25.00p	200Mbps	4:2:0 10bit		HEVC					●				20,4	●	●			●			
		24.00p	200Mbps	4:2:0 10bit		HEVC					●				20,4	●	●			●			
		23.98p	200Mbps	4:2:0 10bit		HEVC					●				20,1	●	●			●			
	6K 5888x3312 (16:9)	29.97p	200Mbps	4:2:0 10bit		HEVC					●				1,02	21,3	●			●	●		
		25.00p	200Mbps	4:2:0 10bit		HEVC					●					21,6	●			●	●		
		24.00p	200Mbps	4:2:0 10bit		HEVC					●					21,6	●			●	●		
		23.98p	200Mbps	4:2:0 10bit		HEVC					●					21,3	●			●	●		
	3.3K 3328x2496 (4:3)	50.00p	800Mbps	4:2:2 10bit	ALL-I	H264			n/a	-	-	●	1,70	16,6	n/a	●	●	●	n/a	n/a			
		50.00p	600Mbps	4:2:2 10bit	LongGOP	H264						●			●	●							
		50.00p	200Mbps	4:2:0 10bit		HEVC						●			●	●							
		48.00p	800Mbps	4:2:2 10bit		H264						●			●	●							
		48.00p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●							
		48.00p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●							
		47.95p	800Mbps	4:2:2 10bit	ALL-I	H264						●			●	●							
		47.95p	600Mbps	4:2:2 10bit		H264						●			●	●							
		47.95p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●							
		29.97p	400Mbps	4:2:2 10bit	ALL-I	H264						●			●	●							
		29.97p	150Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●							
		25.00p	400Mbps	4:2:2 10bit	ALL-I	H264						●			●	●							
		25.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●							
		24.00p	400Mbps	4:2:2 10bit	ALL-I	H264						●			●	●							
		24.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●							
		23.98p	400Mbps	4:2:2 10bit	ALL-I	H264						●			●	●							
		23.98p	150Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●							



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MOV	C4K 4096 x 2160 (17:9)	59.94p	800Mbps	4:2:2 10bit	ALL-I	H264	LPCM	48KHz/24bit	n/a	-	-	●	1,45	14,0	n/a	●	●	●	●
		59.94p	600Mbps	4:2:2 10bit	ALL-I							●			●	●	●		
		59.94p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		50.00p	800Mbps	4:2:2 10bit	ALL-I	H264						●		14,2	n/a	●	●	●	●
		50.00p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		50.00p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		48.00p	800Mbps	4:2:2 10bit	ALL-I	H264						●			n/a	●	●	n/a	
		48.00p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		48.00p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		47.95p	800Mbps	4:2:2 10bit	ALL-I	H264						●		14,0	n/a	●	●		
		47.95p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		47.95p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		29.97p	400Mbps	4:2:2 10bit	ALL-I	H264			●	1,00	20,3	●		14,2	●	●	●		●
		29.97p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
		25.00p	400Mbps	4:2:2 10bit	ALL-I	H264			●		20,6	●			●	●	●		
		25.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
		24.00p	400Mbps	4:2:2 10bit	ALL-I	H264			●	20,3	20,6	●		14,0	●	●	●		●
		24.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
		23.98p	400Mbps	4:2:2 10bit	ALL-I	H264			●			●			●	●			
		23.98p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
	4K 3840 x 2160 (16:9)	59.94p	800Mbps	4:2:2 10bit	ALL-I	H264			n/a	-	-	●	1,51	14,2	n/a	●	●	●	●
		59.94p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		59.94p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		50.00p	800Mbps	4:2:2 10bit	ALL-I	H264						●		14,4	n/a	●	●	●	●
		50.00p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		50.00p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		48.00p	800Mbps	4:2:2 10bit	ALL-I	H264						●			n/a	●	●	n/a	
		48.00p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		48.00p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		47.95p	800Mbps	4:2:2 10bit	ALL-I	H264						●		14,2	n/a	●	●		
		47.95p	600Mbps	4:2:2 10bit	ALL-I	H264						●			●	●	●		
		47.95p	200Mbps	4:2:0 10bit	LongGOP	HEVC						●			●	●	●		
		29.97p	400Mbps	4:2:2 10bit	ALL-I	H264			●	1,00	21,7	●			●	●	●		
		29.97p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
		25.00p	400Mbps	4:2:2 10bit	ALL-I	H264			●		22,0	●		14,4	●	●	●		●
		25.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
		24.00p	400Mbps	4:2:2 10bit	ALL-I	H264			●			●			●	●			
		24.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			
		23.98p	400Mbps	4:2:2 10bit	ALL-I	H264			●	21,7	21,7	●		14,2	●	●	●		●
		23.98p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●			●			●	●			



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MOV	FHD 1920x1080 (16:9)	119.88p	400Mbps	4:2:2 10bit	ALL-I	H264	LPCM	48kHz/24bit	●	1,00	4,4	●	1,51	4,4	●	●	●	n/a	n/a				
		119.88p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●		4,4	●		4,4	●	●	●						
		100.00p	400Mbps	4:2:2 10bit	ALL-I	H264			●		5,8	●		4,6	●	●	●						
		100.00p	150Mbps	4:2:0 10bit	LongGOP	HEVC			●		5,8	●		4,6	●	●	●						
		59.94p	200Mbps	4:2:2 10bit	ALL-I	H264			●		10,0	●		14,2	●	●	●	●	●				
		59.94p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		10,0	●		14,2	●	●	●	●	●				
		50.00p	200Mbps	4:2:2 10bit	ALL-I	H264			●		10,0	●		14,4	●	●	●	●	●				
		50.00p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		10,0	●		14,4	●	●	●	●	●				
		48.00p	200Mbps	4:2:2 10bit	ALL-I	H264			●		10,0	●		14,4	●	●	●	n/a	●				
		48.00p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		10,0	●		14,4	●	●	●						
		47.95p	200Mbps	4:2:2 10bit	ALL-I	H264			●		10,1	●		14,2	●	●	●						
		47.95p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		10,1	●		14,2	●	●	●						
		29.97p	200Mbps	4:2:2 10bit	ALL-I	H264			●		21,7	●		14,2	●	●	●	●	●				
		29.97p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		21,7	●		14,2	●	●	●	●	●				
		25.00p	200Mbps	4:2:2 10bit	ALL-I	H264			●		22,0	●		14,4	●	●	●	●	●				
		25.00p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		22,0	●		14,4	●	●	●	●	●				
		24.00p	200Mbps	4:2:2 10bit	ALL-I	H264			●		22,0	●		14,4	●	●	●	●	●				
		24.00p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		22,0	●		14,4	●	●	●	●	●				
		23.98p	200Mbps	4:2:2 10bit	ALL-I	H264			●		21,7	●		14,2	●	●	●	●	●				
		23.98p	100Mbps	4:2:0 10bit	LongGOP	HEVC			●		21,7	●		14,2	●	●	●	●	●				
		FHD Slow Motion 1920x1080 (16:9)	Sensor : 179.82p Recording : 29.97p	100Mbps	4:2:0/10bit	LongGOP			HEVC		no audio	●		1,23	4,3	●	1,84	4,3	●	●	●	n/a	n/a
			Sensor : 150.00p Recording : 25.00p	100Mbps								●		1,00		●	1,51		●	●	●		
			Sensor : 119.88p Recording : 29.97p	100Mbps								●		4,4	●	1,51	4,4	●	●	●			
	Sensor : 100.00p Recording : 25.00p		100Mbps	●			5,8	●		5,8		●	●	●									
	MOV (proxy)	2K 2048x1080 (17:9)	59.94p	11.5Mbps	4:2:0 10bit	LongGOP	HEVC	LPCM	48kHz/16bit	●	Same as original video mode	●	Same as original video mode	●	n/a	n/a	n/a	●					
			50.00p	11.5Mbps						●		●		●	●	●	●						
			29.97p	8.5Mbps						●		●		●	●	●	●						
			25.00p	8.5Mbps						●		●		●	●	●	●						
			24.00p	8.5Mbps						●		●		●	●	●	●						
			23.98p	8.5Mbps						●		●		●	●	●	●						



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MOV (proxy)	1.9K 1920x1440 (4:3)	59.94p	13.5Mbps	4:2:0 10bit	LongGOP	HEVC	LPCM	48kHz/16bit	●	Same as original video mode	●	Same as original video mode	●	n/a	n/a	n/a	●																		
		50.00p	13.5Mbps						●		●		●				●																		
		29.97p	9.5Mbps						●		●		●				●																		
		25.00p	9.5Mbps						●		●		●				●																		
		24.00p	9.5Mbps						●		●		●				●																		
		23.98p	9.5Mbps						●		●		●				●																		
	1.9K 1920x1280 (3:2)	59.94p	12.5Mbps						●		●		●				●																		
		50.00p	12.5Mbps						●		●		●				●																		
		29.97p	8.5Mbps						●		●		●				●																		
		25.00p	8.5Mbps						●		●		●				●																		
		24.00p	8.5Mbps						●		●		●				●																		
		23.98p	8.5Mbps						●		●		●				●																		
	FHD 1920x1080 (16:9)	59.94p	10.5Mbps						●		●		●				●																		
		50.00p	10.5Mbps						●		●		●				●																		
		29.97p	7.5Mbps						●		●		●				●																		
		25.00p	7.5Mbps						●		●		●				●																		
		24.00p	7.5Mbps						●		●		●				●																		
		23.98p	7.5Mbps						●		●		●				●																		
	MOV (ProRes)	C6K 5776x3056 (17:9)	29.97p						1939Mbps		422HQ		ProRes				LPCM	48kHz/24bit	●	1,04	19,6	n/a			n/a	●	●	n/a	n/a						
			25.00p						1618Mbps										●		19,9					●	●								
			24.00p						1553Mbps										●		19,6					●	●								
			23.98p						1551Mbps										●							●									
		3.3K 3328x2496 4:3	50.00p						1523Mbps										n/a			●	1,70	16,6	●	●	n/a	n/a							
			29.97p						913Mbps													●		17,0	●	●									
25.00p			761Mbps	●	16,6	●	●																												
24.00p			731Mbps	●	17,3	●	●																												
23.98p			730Mbps	●	17,0	●	●																												
C4K 4096x2160 (17:9)		59.94p	1944Mbps	●			●	1,45	14,0	●		●		●																					
		50.00p	1622Mbps	●			14,2		●	●		●																							
		29.97p	972Mbps	●			14,0		●	●		●																							
		25.00p	811Mbps	●			14,2		●	●		●																							
		24.00p	779Mbps	●			14,2		●	●		●																							
FHD 1920x1080 (16:9)		23.98p	778Mbps	●	●	14,0	●	●	●																										
		59.94p	454Mbps	●	1,00			●	1,51	14,4		●		●	●	●			●																
		50.00p	378Mbps	●				14,6		●		●		●	●																				
		29.97p	227Mbps	●				14,4		●		●		●	●	●																			
		25.00p	189Mbps	●				14,6		●		●		●	●	●																			
		24.00p	182Mbps	●				14,6		●		●		●	●	●																			
		23.98p	181Mbps	●				14,4		●		●		●	●	●																			
		●	●	20,3				●		1,00						1,51			14,4	●	●	●	●	●											
		●	●	20,6				●																	20,6	●	20,3	●	10,0	●	14,6	●	●	●	●
		●	●	20,6				●																	20,3	●	10,0	●	14,4	●	●	●	●	●	
●		●	20,3	●				20,6																	●	21,6	●	14,4	●	●	●	●	●		
●		●	10,0	●	21,9	●	14,6	●	●																●	●	●	●	●						
●		●	10,0	●	21,9	●	14,6	●	●																●	●	●	●	●						
●		●	21,6	●	21,9	●	14,6	●	●																●	●	●	●	●						
●		●	21,6	●	21,9	●	14,6	●	●																●	●	●	●	●						
●		●	21,6	●	21,9	●	14,6	●	●																●	●	●	●	●						
●	●	21,6	●	21,9	●	14,6	●	●	●		●		●				●	●																	



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HDMI- RAW	6K OG 6000x4000 (3:2)	29.97p	-	LPCM	48kHz/24bit	●	1,01	25,5	n/a	n/a	n/a	n/a	n/a
		25.00p				●	1,01	25,8					
		23.98p				●	1,01	25,5					
	6K 5888x3312 (16:9)	29.97p				●	1,02	21,3					
		25.00p				●	1,02	21,6					
		23.98p				●	1,02	21,3					
	C4K 4128x2176 (17:9)	59.94p				n/a			●	1,45	14,0	●	
		50.00p							●	1,45	14,2	●	
		29.97p							●	1,45	14,0	●	
		25.00p							●	1,45	14,2	●	
		23.98p							●	1,45	14,0	●	
	3.5K 3536x2656 (4:3)	50.00p							●	1,70	16,6	●	
		29.97p							●	1,70	17,0	●	
		25.00p							●	1,70	16,6	●	
		23.98p							●	1,70	17,0	●	