

LUMIX S Series Camera Major Feature Comparison

after updating the camera with the latest firmware

Items available with firmware update
Items available with Software Upgrade Key DMW-SFU2
Items available with firmware update and Software Upgrade Key DMW-SFU2

		S1H	S1	S5	S1R	
Image Quality	Sensor	Full Frame 24.2MP with Low-pass Filter	Full Frame 24.2MP w/o Low-pass Filter	Full Frame 24.2MP w/o Low-pass Filter	Full Frame 47.3MP w/o Low-pass Filter	
	ISO	Dual Native ISO	AUTO / LOW / HIGH	AUTO / LOW / HIGH	AUTO	-
		ISO Sensitivity	100-51200 Extended 50-204800	100-51200 Extended 50-204800	100-51200 Extended 50-204800	100-25600 Extended 50-51200
	I.S.	Body I.S. Dual I.S.2	5-axis 6-stop*1 7-stop*2	5-axis 6-stop*1 7-stop*2	5-axis 5-stop*3 6.5-stop*2	5-axis 6-stop*1 7-stop*2
	High Resolution mode		96M (RAW)	96M (RAW)	96M (JPEG / RAW)	188M (RAW)
Live View Composite		-	-	Yes	-	
Response	AF		Contrast AF + DFD / 225-area	Contrast AF + DFD / 225-area	Contrast AF + DFD / 225-area	Contrast AF + DFD / 225-area
			EV -6 to 18	EV -6 to 18	EV -6 to 18	EV -6 to 18
			AFS 0.08 sec	AFS 0.08 sec	AFS 0.08 sec	AFS 0.08sec
		Face/Eye/Head/Body/Animal Recognition	Face/Eye/Head/Body/Animal Recognition	Face/Eye/Head/Body/Animal Recognition	Face/Eye/Head/Body/Animal Recognition	
	Shutter	Mechanical	1/8000-60, X=1/320	1/8000-60, X=1/320	1/8000-60 sec, X=1/250	1/8000-60, X=1/320
	Durability	400k	400k	NA	400k	
Burst Shooting	Mechanical	AFS 9 fps, AFC 6 fps	AFS 9 fps, AFC 6 fps	AFS 7 fps, AFC 5 fps	AFS 9fps, AFC 6fps	
	JPEG/RAW/JPEG+RAW	Over 999 / 60 / 60 pictures	Over 999 / 90 / 70 pictures	Over 999 / 27 / 27 pictures	Over 50 / 40 / 35 pictures	
Monitor	LVF	5760k OLED, 0.78x	5760k OLED, 0.78x	2360k OLED, 0.74x	5760k OLED, 0.78x	
	Rear Monitor	3.2" 2,330k, Tilt, Free-Angle, Touch Control	3.2" 2100k, Triaxial Tilt, Touch Control	3.0" 1840k, Free Angle, Touch Control	3.2" 2100k, Triaxial Tilt, Touch Control	
	Status LCD	Yes	Yes	-	Yes	
Interface	USB / Charge / Supply	USB3.1 TypeC (PD) / Yes / Yes	USB3.1 TypeC (PD) / Yes / Yes	USB3.1 TypeC / Yes / Yes	USB3.1 TypeC (PD) / Yes / Yes	
	HDMI	TypeA	TypeA	TypeD (micro)	TypeA	
	Mic / Headphone / Remote	Φ3.5 / Φ3.5 / Φ2.5	Φ3.5 / Φ3.5 / Φ2.5	Φ3.5 / Φ3.5 / Φ2.5	Φ3.5 / Φ3.5 / Φ2.5	
	Synchro Terminal	Yes	Yes	-	Yes	
	Card Slot	Double (SD UHS-II x 2)	Double (XQD/CFexpress x 1, SD UHS-II x 1)	Double (SD UHS-II x 1, SD UHS-I x 1)	Double (XQD/CFexpress x 1, SD UHS-II x 1)	
	Wi-Fi / Bluetooth	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	
Durability	Battery Life (When using an SD Card)	Rear Monitor 400 LVF 380 pictures Power Save LVF Shooting 1,150 pictures	Rear Monitor 400 LVF 380 pictures Power Save LVF Shooting 1,150 pictures	Rear Monitor 440 LVF 470 pictures Power Save LVF Shooting 1,500 pictures	Rear Monitor 380 LVF 360 Pictures Power Save LVF Shooting 1,150 pictures	
	Operating Environment	Dust&Splash (100%Sealing)/ Freeze Resistant -10-40 °C	Dust&Splash (100%Sealing)/ Freeze Resistant -10-40°C	Dust / Splash Resistant	Dust&Splash(100%Sealing)/ Freeze Resistant -10-40°C	
	Exterior	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	
Video	Log Recording	V-Log / 14+ Stops	V-Log / 14+ Stops	V-Log / 14+ Stops	-	
	System Frequency	59.94Hz / 50.00Hz / 24.00Hz	NTSC / PAL	NTSC / PAL	NTSC / PAL	
	Codec	MOV, MP4, AVCHD	MOV, MP4, AVCHD	MOV, MP4	MP4, AVCHD	
	ALL-I	Yes	-	-	-	
	6K Video Recording	6K:24.00p/ 23.98p 5.9K:29.97p/ 25.00p/ 24.00p/ 23.98p 5.4K:29.97p/ 25.00p	6K:23.98p 5.9K:29.97p/ 25.00p/ 23.98p 5.4K:29.97p/ 25.00p	-	-	
	5K Video Recording	-	-	-	29.97p/ 25.00p / 23.98p	
	4K Video	C4K	59.94p/ 50.00p/ 29.97p/ 25.00p/ 24.00p/ 23.98p	59.94p/ 50.00p/ 29.97p/ 25.00p / 23.98p	59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p	-
		4K	59.94p/ 50.00p/ 29.97p/ 25.00p/ 24.00p/ 23.98p	59.94p / 50.00p / 29.97p / 25.00p / 23.98p	59.94p / 50.00p / 29.97p / 25.00p / 23.98p	59.94p/50.00p/29.97p/25.00p/23.98p
	Recording Time Limitation	No Time Limitation	4K 59.94p / 50.00p : 29 min 59 sec 4K 29.97p / 25.00p / 23.98p: No Time Limitation High-speed: 15 min 6K:23.98p 5.9K:29.97p/ 25.00p/ 23.98p 5.4K:29.97p/ 25.00p C4K: 59.94p/ 50.00p/ 29.97p/ 25.00p / 23.98p 4K:59.94p/50.00p *Under Study	C4K/4K 59.94p / 50.00p, C4K/4K 10-bit : 30 min C4K/4K 8-bit 29.97p/ 25.00p/ 23.98p No Time Limitation Slow &Quick: 30min	4K :15min High-speed:10min	
	10-bit	6K (4:2:0)	24.00p/ 23.98p	23.98p	-	-
		5K (4:2:0)	-	-	-	29.97p/ 25.00p/ 23.98p
		C4K	59.94p(4:2:0)/ 50.00p(4:2:0)/ 29.97p/ 25.00p/ 24.00p/ 23.98p	59.94p(4:2:0)/ 50.00p(4:2:0)/ 29.97p/ 25.00p/ 23.98p	29.97p/ 25.00p/ 23.98p	-
		4K	59.94p(4:2:0)/ 50.00p(4:2:0)/ 29.97p/ 25.00p/ 24.00p/ 23.98p	59.94p(4:2:0)/ 50.00p(4:2:0)/ 29.97p/ 25.00p/ 23.98p	29.97p / 25.00p / 23.98p	-
		FHD	59.94p/ 50.00p/ 29.97p/ 25.00p/ 24.00p/ 23.98p	59.94p/ 50.00p/ 29.97p/ 25.00p	59.94p / 50.00p / 29.97p / 25.00p / 23.98p	-
		HDMI Output	Yes	Yes	Yes	Yes (4K 60p/50p 10bit)
RAW Data Output	Apple ProRes RAW	5.9K(16:9) 29.97p/ 25.00p/ 23.98p 4K(17:9) 59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p Anamorphic 3.5K(4:3) 50.00p/ 29.97p/ 25.00p/ 23.98p	5.9K(16:9) 29.97p/ 25.00p/ 23.98p 4K(17:9) 59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p Anamorphic 3.5K(4:3) 50.00p/ 29.97p/ 25.00p/ 23.98p	5.9K(16:9) 29.97p/ 25.00p/ 23.98p 4K(17:9) 59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p Anamorphic 3.5K(4:3) 50.00p/ 29.97p/ 25.00p/ 23.98p	-	
	Blackmagic RAW	5.9K(16:9) 29.97p/ 25.00p/ 23.98p 4K(17:9) 59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p Anamorphic 3.5K(4:3) 50.00p/ 29.97p/ 25.00p/ 23.98p	5.9K(16:9) 29.97p/ 25.00p/ 23.98p 4K(17:9) 59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p Anamorphic 3.5K(4:3) 50.00p/ 29.97p/ 25.00p/ 23.98p	5.9K(16:9) 29.97p/ 25.00p/ 23.98p 4K(17:9) 59.94p/ 50.00p/ 29.97p/ 25.00p/ 23.98p Anamorphic 3.5K(4:3) 50.00p/ 29.97p/ 25.00p/ 23.98p	-	
Anamorphic (4:3)	50.00p / 48.00p / 29.97p / 25.00p / 24.00p / 23.98p	50.00p/ 29.97p/ 25.00p/ 23.98p	50.00p / 29.97p / 25.00p / 23.98p	-		
HFR (High Frame Rate)	48.00p / 120p[FHD] / 100p[FHD]	-	-	-		
VFR(Variable Frame Rate) / Slow & Quick	C4K/4K 2-60fps / Anamorphic 2-50fps/ FHD 2-180fps	4K 60fps / FHD 180fps	4K 1-60fps / FHD 1-180fps	4K 60fps / FHD 180fps		
Time Lapse	Yes (4K 60p in camera)	Yes (4K 30p in camera)	Yes (4K 60p in camera)	Yes (FHD60p in camera)		
HDR Video	Like2100 (HLG)	Like2100 (HLG)	Like2100 (HLG)	Like2100 (HLG)		
Time Code	Yes with TC Synchronization	Yes	Yes	-		
Dimension Weight (Body+Battery+SD Card)	151 x 114.2 x 110.4 mm 1,164g	148.9 x 110 x 96.7 mm 1,017g	132.6 x 97.1 x 81.9 mm 714g	148.9 x 110 x 96.7 mm 1,016g		

*1 Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=50mm when S-X50 is used.]

*2 Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=200mm when S-E70200 is used.]

*3 Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=60mm when S-R2060 is used.]

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