

	LUMIX S9	LUMIX S5IIX	LUMIX S5II	LUMIX S5	LUMIX S1H	LUMIX S1	LUMIX S1R	LUMIX BS1H
BASIC PERFORMANCE								
Camera Effective Pixels	24.20 megapixels	24.20 megapixels		24.20 megapixels	24.20 megapixels	24.20 megapixels	47.30 megapixels	24.20 megapixels
Focus Type	Phase Hybrid AF	Phase Hybrid AF		Contrast AF	Contrast AF	Contrast AF	Contrast AF	Contrast AF
Dual Native ISO	Yes (Auto/High/Low)	Yes (Auto/High/Low)		Yes (Auto)	Yes (Auto/High/Low)	Yes (Auto/High/Low)	-	Yes (Auto/High/Low)
B.I.S. *4 / Dual I.S. 2 *5	5-stop / 6.5-stop + Active I.S.	5-stop / 6.5-stop + Active I.S.		5-stop / 6.5-stop	6.0-stop / 7.5-stop	6.0-stop / 7.5-stop	6.0-stop / 7.5-stop	- / -
Burst Shooting	Mechanical Shutter	9 fps (AFS/MF), 7 fps (AFC)		7 fps (AFS/MF), 5 fps (AFC)	9 fps (AFS/MF), 6 fps (AFC)	9 fps (AFS/MF), 6 fps (AFC)	9 fps (AFS/MF), 6 fps (AFC)	-
	Electronic Shutter	30 fps (AFS/AFC/MF)		7 fps (AFS/MF), 5 fps (AFC)	9 fps (AFS/MF), 5 fps (AFC)	9 fps (AFS/MF), 5 fps (AFC)	9 fps (AFS/MF), 5 fps (AFC)	-
Live View Composite	-	Yes	Yes *2	Yes	-	-	-	-
VIDEO SHOOTING PERFORMANCE								
Motion Picture	MOV, MP4, MP4(Lite)	MOV, MP4, ProRes	MOV, MP4	MOV, MP4	MOV, MP4, AVCHD	MOV *1, MP4, AVCHD	MOV, MP4, AVCHD	MOV, MP4
Latitude	14+ stops (V-Log)	14+ stops (V-Log)		14+ stops (V-Log)	14+ stops (V-Log)	14+ stops (V-Log) *1	-	14+ stops (V-Log)
Over 4K	6K 3:2 4:2:0 10-bit	30p / 25p / 24p	30p / 25p / 24p	-	24p	24p *1	-	24p
	6K 17:9 4:2:0 10-bit	30p / 25p / 24p	30p / 25p / 24p	-	-	-	-	-
	5.9K 16:9 4:2:0 10-bit	30p / 25p / 24p	30p / 25p / 24p	-	30p / 25p / 24p	30p / 25p / 24p *1	-	30p / 25p / 24p
	5.4K 3:2 4:2:0 10-bit	-	-	-	30p / 25p	30p / 25p *1	-	30p / 25p
	5K 4:3 4:2:0 10-bit	-	-	-	-	-	30p / 25p / 24p	-
	Recording Time Limit	10 minutes	No Time Limit *3	-	Unlimited Recording	15 minutes	15 minutes	Unlimited Recording
4K	C4K 4:2:2 10-bit	60p / 50p / 48p / 30p / 25p / 24p	60p / 50p / 48p / 30p / 25p / 24p	30p / 25p / 24p	30p / 25p / 24p	30p / 25p / 24p *1	-	30p / 25p / 24p
	C4K 4:2:0 10-bit	60p / 50p / 48p / 30p / 25p / 24p	60p / 50p / 48p / 30p / 25p / 24p	(60p / 50p / 30p / 25p / 24p for 8-bit)	60p / 50p / 48p	60p / 50p *1	-	60p / 50p / 48p
	4K 4:2:2 10-bit	60p / 50p / 48p / 30p / 25p / 24p	60p / 50p / 48p / 30p / 25p / 24p	30p / 25p / 24p	30p / 25p / 24p	30p / 25p / 24p *1	-	30p / 25p / 24p
	4K 4:2:0 10-bit	60p / 50p / 48p / 30p / 25p / 24p	60p / 50p / 48p / 30p / 25p / 24p	60p / 50p / 30p / 25p / 24p	60p / 50p / 48p / 30p / 25p / 24p	60p *1 / 50p *1 / 30p / 25p / 24p	(60p / 50p / 30p / 25p / 24p for 8-bit)	60p / 50p / 48p / 30p / 25p / 24p
	3.8K 3:2 4:2:0 10-bit	30p / 25p	-	-	-	-	-	-
	3.3K 4:3 4:2:2 10-bit	50p / 48p / 30p / 25p / 24p	50p / 48p / 30p / 25p / 24p	30p / 25p / 24p	30p / 25p / 24p	30p / 25p / 24p *1	-	30p / 25p / 24p
3.3K 4:3 4:2:0 10-bit	50p / 48p / 30p / 25p / 24p	50p / 48p / 30p / 25p / 24p	50p	50p	50p *1	-	50p / 48p	
Recording Time Limit	15 minutes	Unlimited Recording	30 minutes (No Time Limit for 8-bit) *3	Unlimited Recording	29 min 59 sec (60p/50p) No Time Limit (30p/25p/24p) *3	15 minutes	Unlimited Recording	
FHD	4:2:2 10-bit	120p / 100p / 60p / 50p / 48p / 30p / 25p / 24p	120p / 100p / 60p / 50p / 48p / 30p / 25p / 24p	60p / 50p / 30p / 25p / 24p	60p / 60i / 50p / 50i / 30p / 25p / 24p	60p / 50p / 30p / 25p *1	-	60p / 60i / 50p / 50i / 30p / 25p / 24p
	4:2:0 10-bit	120p / 100p / 60p / 50p / 48p / 30p / 25p / 24p	120p / 100p / 60p / 50p / 48p / 30p / 25p / 24p	-	120p / 100p / 48p	(4:2:0 8-bit Recording)	(4:2:0 8-bit Recording)	120p / 100p / 48p
	Recording Time Limit	20 minutes	Unlimited Recording	No Time Limit *3	Unlimited Recording	No Time Limit *3	No Time Limit *3	Unlimited Recording
ALL-Intra Recording	-	Yes	-	-	Yes	-	-	Yes
ProRes Recording	-	ProRes 422 HQ / ProRes 422	-	-	-	-	-	-
HDMI RAW Data Output	-	Yes	Yes *1 *2	Yes	Yes	Yes *1	-	Yes
Audio	High-res Audio	Yes with DMW-XLR1 (Optional)		-	Yes with DMW-XLR1 (Optional)	Yes with DMW-XLR1 (Optional)	Yes with DMW-XLR1 (Optional)	Yes with DMW-XLR1 (Optional)
	4ch Audio	Yes with DMW-XLR1 (Optional)		-	-	-	-	-
Streaming	-	Yes	-	-	-	-	-	Yes
DESIGN AND INTERFACE								
Monitor	Viewfinder	-	Approx. 3.68 million dots	Approx. 2.36 million dots	Approx. 5.76 million dots	Approx. 5.76 million dots	Approx. 5.76 million dots	-
	Rear Monitor	Free-angle Monitor	Free-angle Monitor	Free-angle Monitor	Tilt Free-angle Monitor	Triaxial Tilt Monitor	Triaxial Tilt Monitor	-
	Status LCD	-	-	-	Yes	Yes	Yes	-
USB	USB Type-C®	USB Type-C®		USB Type-C®	USB Type-C®	USB Type-C®	USB Type-C®	USB Type-C®
HDMI *6	microHDMI TypeD	HDMI TypeA		microHDMI TypeD	HDMI TypeA	HDMI TypeA	HDMI TypeA	HDMI TypeA
Card Slot	Slot 1	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I/II)	XQD / CFexpress Type B	XQD / CFexpress Type B	SD/SDHC/SDXC (UHS-I/II)
	Slot 2	-	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I)	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I/II)	SD/SDHC/SDXC (UHS-I/II)
External USB-SSD Recording	-	Yes	-	-	-	-	-	-

In order to use all functions, please update the firmware to the latest version.

(*1) Upgrade Software Key DMW-SFU2 is required. (*2) Please update the firmware to version 2.0 or later. (*3) The camera may stop recording when used in a temperature that is lower or higher than the recommended operating temperature.

(*4) Based on the CIPA standard. LUMIX S5IIX/S5II/S5/S9: Yaw/Pitch direction, focusing distance f=60mm when S-R2060 is used. LUMIX S1H/S1/S1R: Yaw/Pitch direction, focusing distance f=50mm when S-X50 is used.

(*5) Based on the CIPA standard. LUMIX S5IIX/S5II/S5/S9: Yaw/Pitch direction, focusing distance f=200mm when S-E70200 is used. LUMIX S1H/S1/S1R: Yaw/Pitch direction, focusing distance f=105mm when S-R24105 is used.

(*6) To output motion pictures with 4K or higher, use an HDMI cable that has the HDMI logo on it, and that is described as "4K compatible". For LUMIX S5IIX, S5II, S1H, S1, S1R and BS1H, a Premium High Speed HDMI cable (Type A - Type A plug) is compatible. For LUMIX S5/S9, a High Speed HDMI micro cable (Type D - Type A plug) is compatible.