

DC-S5 Specifications

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BURST SHOOTING	Burst speed		Mechanical shutter / Electronic front curtain shutter	AFS/MF: H: 7 frames/sec, M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View) AFC: H: 5 frames/sec (with Live View), M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View)
			Electronic shutter	AFS/MF: H: 7 frames/sec, M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View) AFC: H: 5 frames/sec (with Live View), M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View)
	Number of recordable images		RAW / RAW+JPEG: More than 24 images JPEG: More than 999 images (When using a card with SD Speed Class with "UHS-II UHS Speed Class 3 (U3)" inserted into card slot 1.) *When recording is performed under the test conditions specified by Panasonic.	
6K PHOTO** / 4K PHOTO**	Burst speed		6K PHOTO: 30 frames/sec 4K PHOTO: 60 frames/sec, 30 frames/sec	
	Exif information		Yes (Each JPEG image cropped out of the 6K/4K burst file complies with EXIF.)	
	Flash info		TTL, External Flash (sold separately)	
FLASH	Flash mode		Auto* / Auto/Red-eye Reduction* / Forced On / Forced On/Red-eye Reduction / Slow Sync. / Slow Sync./Red-eye Reduction / Forced Off	*For iA only.
	Flash synchronization		1st Curtain Sync, 2nd Curtain Sync.	
	Flash output adjustment		1/3EV step ±3EV	
	Synchronization speed		Less than 1/250 second	*The guide number decreases at 1/250 second. Only when set to M mode or S mode.
	Wireless control		Yes (When using DMW-FL200L / FL360L / FL580L (sold separately)). Wireless Channel: 1ch/2ch/3ch/4ch 2.0x (EX S) (When using full-frame lenses), 1.9x (EX S) (When using APS-C / Super 35mm lenses), 1.4x (EX MJ)	*Only for still image recording.
EXTRA TELE CONVERSION			Standard / Vivid / Natural / Flat / Landscape / Portrait / Monochrome / L. Monochrome / L. Monochrome D / CineLike D2 / CineLike V2 / Like709 / V-Log / Standard (HLG) / Monochrome (HLG) / Like2100 (HLG) / My Photo Style 1-10	
PHOTO STYLE	Photo Style		Contrast / Highlight / Shadow / Saturation / Color Tone / Hue / Filter Effect / Grain Effect / Sharpness / Noise Reduction / ISO / WB	
	Picture adjustment		*Adjustable settings vary depending on the Photo Style mode. Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome / Dynamic Monochrome* / Rough Monochrome* / Silky Monochrome* / Impressive Art / High Dynamic / Cross Process / Toy Effect / Toy Pop / Bleach Bypass / Miniature Effect / Soft Focus* / Fantasy / Star Filter* / One Point Color / Sunshine* *For photos only.	
FILTER				
MOTION PICTURE FUNCTION	Luminance level		9-bit: 0-255 / 16-235 / 16-255 10-bit: 0-1023 / 64-940 / 64-1023	
	Wave form monitor		Yes	
	LUT display		LUT View Assist (Monitor) / LUT View Assist (HDMI)	
	Time code		Count Up, Rec. Run/Free Run selectable, Time Code Mode: Drop frame/Non-drop frame selectable (When NTSC (59.94Hz) is selected.)	
	Knee control		Yes (in Like709 mode)	
FUNCTION BUTTON	REC		Exposure Comp. / Sensitivity / White Balance / Photo Style / Metering Mode / Aspect Ratio / Picture Quality / Picture Size / HLG Photo / High Resolution Mode / 1 Shot Spot Metering / Long Exposure NR / Min. Shutter Speed / 1 Shot RAW+JPG / i.Dynamic Range / One Push AE / Touch AE / Exposure Mode / AF Mode / AF Custom Setting(Photos) / AF Custom Setting(Videos) / Focus Peaking / Focus Peaking Sensitivity / 1-Area AF Moving Speed / Focus Ring Lock / AE LOCK / AF LOCK / AF/AE LOCK / AF-ON / AF-ON: Near Shift / AF-ON: Far Shift / AF-Point Scope / Focus Area Set / Flash Mode / Flash Adjust. / Wireless Flash Setup / Drive Mode / 1 Shot "6K/4K PHOTO" / Bracketing / Silent Mode / Image Stabilizer / Shutter Type / EV. Tele Conv. / Live View Composite / Post-Focus / Motion Pic. Rec. File Format / Motion Pic. Rec. Quality / Slow & Quick Setting / Time Code Display / Sound Rec. Level Disp. / Sound Rec. Level Adj. / Sound Rec. Level Limiter / Special Mic. Directivity Adjust / Image Stabilizer / E-Stabilization (Video) / Boost i.S. (Video) / Image Area of Video / Live Cropping / Q.MENU / Rec. / Playback Switch / Video Record / LVP/Monitor Switch / Operation Lock / Dial Operation Switch / Preview / Preview Aperture Effect / Constant Preview / Level Gauge / Histogram / Luminance Spot Meter / Frame Marker / Photo Grid Line / Live View Boost / Monochrome Live View / Night Mode / LVP/Monitor Disp. Style / Photo/Video Preview / Zebra Pattern / LUT View Assist (Monitor) / LUT View Assist (HDMI) / LUT Select / HLG View Assist(Monitor) / HLG View Assist (HDMI) / Sheer Overlay / i.S. Status Scope / Waveform Monitor / Anamorphic Desqueeze Display / Focus Ring Control/ Zoom Control / Destination Card Slot / Wi-Fi / No Setting / Restore to Default	
	PLAY		Magnify from AF Point / LUT View Assist (Monitor) / HLG View Assist (Monitor) / Anamorphic Desqueeze Display / RAW Processing / 6K/4K PHOTO Bulk Saving / Delete Single / Protect / Rating 1, 2, 3, 4, 5 / Copy / Rec/Playback Switch / LVP/Monitor Switch / Video Record / Night Mode / Card Slot Change / Wi-Fi / Send Image (Smartphone) / LUT View Assist (HDMI) / HLG View Assist (HDMI) / 6K/4K Photo Play / No Setting / Off (Disable Press and Hold) / Restore to Default	
LEVEL GAUGE	Yes			
OSD LANGUAGE	Please refer to "OSD" Sheet			
PRINT	PictBridge compatible			
INTERFACE	USB	HDMI***	Monitor-through	SuperSpeed USB 3.1 Gen1, Type-C
			Playback	When a mode other than [4K/60p]/[4K/50p] is selected for [Picture Quality]: 4:2:2 10bit, 4:2:2 8bit, 4:2:0 8bit When [4K/60p]/[4K/50p] mode is selected in [Rec. Quality]: 4:2:2 10bit*, 4:2:0 8bit *When 4:2:2 10bit mode is selected, it is not possible to record motion picture or still picture on the memory card in the camera unit. Info Display: ON / OFF (selectable) HLG View Assist (HDMI): AUTO / MODE1 / MODE2 / OFF (selectable)
	Remote input		microHDMI TypeD / VIERA Link, Audio: Stereo NTSC (59.94Hz): Auto / 4K/60p / 4K/30p / 1080p / 1080i / 720p / 480p PAL (50.00Hz): Auto / 4K/50p / 4K/25p / 1080p / 1080i / 720p / 576p	
	External microphone / external audio device input		q2 5mm q3 5mm for external microphone / external audio device MIC (Plug-in Power) / MIC / LINE is selectable. Stereo/Lens Auto/Shotgun/Super Shotgun/Manual is selectable when attaching DMW-MS2 (sold separately).	
	Headphone output		q3 5mm	
	Microphone		Stereo, Wind Noise Canceller: OFF / Low* / Standard / High *When attaching DMW-MS2 (sold separately).	
	XLR microphone		Yes with DMW-XLR1 (sold separately)	
	Speaker		Monaural	
	SD card slot		SD Memory Card, SDHC Memory Card, SDXC Memory Card Slot 1: Compatible with UHS-I/UHS-II UHS Speed Class 3 standard SDHC/SDXC Memory Cards and UHS-II Video Speed Class 90 standard SDXC Memory Cards. Slot 2: Compatible with UHS-I UHS Speed Class 3 standard SDHC/SDXC Memory Cards.	
			2.4GHz (STA/AP) (IEEE802.11b/gn) 5GHz (STA) (IEEE 802.11a/n/ac) *5GHz Wi-Fi is not available in some countries. Please refer to "Wi-Fi" Sheet	
	WIRELESS	Wi-Fi		
		Bluetooth		Bluetooth® v4.2 (Bluetooth® Low Energy (BLE))
DUST AND SPLASH RESISTANT*	Yes. *Dust and Splash Resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with dust and water.			
POWER	Battery		Li-ion Battery Pack (7.2V, 2200mAh, 16Wh) (bundled)	
	Battery life (CIPA standard)		USB power supply, USB power charging Approx. 440 images (rear monitor), 470 images (LVP), 1,500 images (Power Save LVP mode*) with S-R2060 *Under the test conditions specified by Panasonic based on CIPA standard. When the time to get in the sleep mode is set to 1 sec.	
	Continuous recordable time (Motion picture)**		MP4 [4K/60p]: Approx. 110 min (APS-C, Pixel by Pixel) (LVP), 110 min (APS-C, Pixel by Pixel) (rear monitor) *When using S-R2060. When the battery is fully charged. MOV [4K/60p]/4:2:0 10-bit/LongGOP*: Approx. 100 min (APS-C, Pixel by Pixel) (LVP), 110 min (APS-C, Pixel by Pixel) (rear monitor) *When using S-R2060. When the battery is fully charged.	
DIMENSIONS / WEIGHT	Actual recordable time (Motion picture)**		MP4 [4K/60p]: Approx. 55 min (APS-C, Pixel by Pixel) (LVP), 55 min (APS-C, Pixel by Pixel) (rear monitor) *When using S-R2060. When the battery is fully charged. MOV [4K/60p]/4:2:0 10-bit/LongGOP*: Approx. 50 min (APS-C, Pixel by Pixel) (LVP), 55 min (APS-C, Pixel by Pixel) (rear monitor) *When using S-R2060. When the battery is fully charged.	
	Battery grip		DMW-BGSS (sold separately)	
	Dimensions (W x H x D)		Approx. 132.6 x 97.1 x 81.9 mm / 5.22 x 3.82 x 3.22 inch (excluding protrusions)	
OPERATING ENVIRONMENT	Weight		Approx. 714g / 1.58 lb (SD Memory Card x 1, Battery, Body) Approx. 630g / 1.39 lb (Body only)	
	Operating temperature		0°C to 40°C (32°F to 104°F)	
STANDARD ACCESSORIES	Operating humidity		10%RH to 80%RH	
	Software	Recording	LUMIX Tether * This software is used to control a Panasonic digital camera from a PC. It allows you to change various settings of the camera, perform remote recording, and save remotely recorded images to the PC. Check the site below to download and install the software. http://panasonic.jp/support/global/cs/soft/download_d_lumixtether.html (For Windows / Mac)	
		Playback / Editing	* The software to edit and playback images on computer is not bundled with this camera. To do this, PHOTOunSTUDIO 10.1PE is available for download at Panasonic website using computer connected to the Internet. https://panasonic.jp/support/global/cs/soft/download_d_phs1001pe.html (For Windows) * The software to process RAW file on computer is not bundled with this camera. To do this, SILKPIX Developer Studio is available for download at Ichikawa Soft Laboratory's website using computer connected to the Internet. http://www.isl.co.jp/SILKPIX/english/p/ (For Windows / Mac)	
Standard accessories		DC-SS Kit Body Cap, Hot Shoe Cover, Cover for the Battery Grip Connector, Shoulder Strap, Battery Pack, Battery Charger, AC Adaptor, USB Connection Cable (A-C)		
		DC-SSK Kit Body Cap, Hot Shoe Cover, Cover for the Battery Grip Connector, Shoulder Strap, Battery Pack, Battery Charger, AC Adaptor, USB Connection Cable (A-C), Lens Cap, Lens Hood, Lens Rear Cap		
		* The DC-SS Operating Instructions for advanced features is available for download at Panasonic LUMIX Customer Support Site using PC, smartphone or tablet connected to the Internet.		

** About motion picture recording / 6K PHOTO/4K PHOTO recording

- 6K PHOTO is a high speed burst shooting function that cuts a still image out of a 4:3 or 3:2 video footage with approx. 18-megapixel (approx. 6000 x 3000 effective pixel count) that the 6K image manages.

- Use a card with SD Speed Class with "Class 4" or higher when recording motion pictures in [MP4] (under 28Mbps).

- Use a card with SD Speed Class with "UHS-I / UHS-II UHS Speed Class 3 (U3)" when recording motion pictures with [MP4] in [4K], [MOV], [S&Q], [6K PHOTO] or [4K PHOTO].

(SD speed class is the speed standard regarding continuous writing.)

- Recording stops when the continuous recording time exceeds 30 minutes in [4K/60p] [4K/50p] [4K-A/50p] [4K/4:2:2 10-bit] [4K-A/4:2:2 10-bit] [4K/4:2:0 10-bit] [4K-A/4:2:0 10-bit] [S&Q].

- Recording stops when the continuous recording time exceeds 15 minutes in [6K PHOTO] [4K PHOTO].

- MP4 motion pictures with [MP4] in [4K].

- When using an SDHC memory card: You can continue recording without interruption even if the file size exceeds 4 GB or 30 minutes, but the motion picture file will be divided and recorded/played back separately.

- When using an SDXC memory card: You can continue recording without interruption even if the file size exceeds 96 GB or 3 hours 4 minutes in length, but the motion picture file will be divided and recorded/played back separately.

- MP4 motion pictures with [MP4] in [FHD].

- You can continue recording without interruption even if the file size exceeds 4 GB or 30 minutes in length, but the motion picture file will be divided and recorded/played back separately.

- MOV motion picture with [MOV]

- When using an SDHC memory card: You can continue recording without interruption even if the file size exceeds 4 GB or 30 minutes, but the motion picture file will be divided and recorded/played back separately.

- When using an SDXC memory card: You can continue recording without interruption even if the file size exceeds 96 GB or 3 hours 4 minutes in length, but the motion picture file will be divided and recorded/played back separately.

- 4:2:2 10-bit recording is a recording mode for film production and the video needs to be processed on PC.

The original video cannot be played on standard TV, Blu-ray Disc™ recorder and Blu-ray Disc™ player.

It may cause problems such as freezing when played on these devices.

- When the ambient temperature is high or continuous recording is performed, the camera may stop the recording to protect itself. Wait until the camera cools down.

*** For [4K/60p] [4K/50p] video output, use an HDMI2.0 cable that has the HDMI logo on it, and that is described as "4K compatible".