Specifications

	LUMIX S1R	LUMIX S1
TYPE		
Type	Digital Single Lens Mirrorless camera	
Lens mount	L-Mount	
Image sensor	35mm full-frame (36.0 x 24.0mm) CMOS sensor	35mm full-frame (35.6mm x 23.8mm) CMOS sensor
Camera effective pixels / Total pixels	47.30 megapixels / 50.44 megapixels	24.20 megapixels / 25.28 megapixels
STILL IMAGE		
Recording file format — Still image	JPEG (DCF, Exif 2.31), RAW, HLG Photo (CTA-2072)	
6K PHOTO** 4K PHOTO**	6K PHOTO: MP4 (H.265/HEVC, Audio format: AAC [2ch]) *Extracted still images: JPEG (DCF, Exif 2.31) 4K PHOTO: MP4 (H.264/MPEG-4 AVC, Audio format: AAC [2ch]) *Extracted still images: JPEG (DCF, Exif 2.31)	
Aspect ratio	4:3 / 3:2 / 16:9 / 1:1 / 65:24 / 2:1	
File size (pixels) in 3:2 when using full-frame lenses	8368x5584 (L), 5952x3968 (M), 4272x2848 (S) High Resolution Mode: 16736x11168 (XL) *RAW file. 6K PHOTO: 5184x3456 / 4K PHOTO: 3504x2336 HLG PHOTO: 6464x4320 (8K-Res.), 3232x2160 (4K-Res.)	6000x4000 (L), 4272x2848 (M), 3024x2016 (S) High Resolution Mode: 12000x8000 (XL) *RAW file 6K PHOTO: 5184x3456 / 4K PHOTO: 3504x2336 HLG PHOTO: 5984x4000 (Full-Res.), 3232x2160 (4K-Res.)
MOTION PICTURE		
Recording file format	MP4: H.264/MPEG-4 AVC (Audio format: LPCM (2ch 48kHz/16-bit), AAC [2ch]) AVCHD Progressive (Audio format: Dolby Audio [2ch]) AVCHD (Audio format: Dolby Audio [2ch])	MP4: H.264/MPEG-4 AVC (Audio format: LPCM (2ch 48kHz/16-bit), AAC [2ch]) MP4 HEVC: H.265/HEVC (Audio format: AAC [2ch]) AVCHD Progressive (Audio format: Dolby Audio [2ch]) AVCHD (Audio format: Dolby Audio [2ch])
60Hz area 4K (3840x2160) MP4**	59.94p, 150Mbps [4:2:0 8-bit LongGOP] [LPCM] 29.97p, 100Mbps [4:2:0 8-bit LongGOP] [AAC] 23.98p, 100Mbps [4:2:0 8-bit LongGOP] [AAC]	59.94p, 150Mbps [4:2:0 8-bit LongGOP] [LPCM] 29.97p, 100Mbps [4:2:0 8-bit LongGOP] [AAC] 23.98p, 100Mbps [4:2:0 8-bit LongGOP] [AAC]
4K (3840x2160) MP4 HEVC**	–	29.97p, 72Mbps [4:2:0 10-bit LongGOP] [AAC] [HEVC, HLG recording] 23.98p, 72Mbps [4:2:0 10-bit LongGOP] [AAC] [HEVC, HLG recording]
High speed video 4K (3840x2160) MP4**	29.97p [Sensor output is 60fps] 23.98p [Sensor output is 48fps]	29.97p [Sensor output is 60fps] 23.98p [Sensor output is 48fps]
FHD (1920x1080) MP4**	29.97p [Sensor output is 180fps / 120fps]	29.97p [Sensor output is 180fps / 150fps]
50Hz area 4K (3840x2160) MP4**	59.94p, 150Mbps [4:2:0 8-bit LongGOP] [LPCM] 50.00p, 150Mbps [4:2:0 8-bit LongGOP] [LPCM] 29.97p, 100Mbps [4:2:0 8-bit LongGOP] [AAC] 25.00p, 100Mbps [4:2:0 8-bit LongGOP] [AAC] 23.98p, 100Mbps [4:2:0 8-bit LongGOP] [AAC]	59.94p, 150Mbps [4:2:0 8-bit LongGOP] [LPCM] 50.00p, 150Mbps [4:2:0 8-bit LongGOP] [LPCM] 29.97p, 100Mbps [4:2:0 8-bit LongGOP] [AAC] 25.00p, 100Mbps [4:2:0 8-bit LongGOP] [AAC] 23.98p, 100Mbps [4:2:0 8-bit LongGOP] [AAC]
4K (3840x2160) MP4 HEVC**	–	29.97p, 72Mbps [4:2:0 10-bit LongGOP] [AAC] [HEVC, HLG recording] 25.00p, 72Mbps [4:2:0 10-bit LongGOP] [AAC] [HEVC, HLG recording] 23.98p, 72Mbps [4:2:0 10-bit LongGOP] [AAC] [HEVC, HLG recording]
High speed video 4K (3840x2160) MP4**	29.97p [Sensor output is 60fps] 25.00p [Sensor output is 50fps] 23.98p [Sensor output is 48fps]	29.97p [Sensor output is 60fps] 25.00p [Sensor output is 50fps] 23.98p [Sensor output is 48fps]
FHD (1920x1080) MP4**	29.97p [Sensor output is 180fps / 120fps] 25.00p [Sensor output is 150fps / 100fps]	29.97p [Sensor output is 180fps / 150fps] 25.00p [Sensor output is 150fps / 125fps]
Continuous recordable time**	Approx. 150 min [rear monitor], 140 min [LVF] in [AVCHD/FHD/60p] *When using S-R24105 and SD Memory Card.	
Actual recordable time**	Approx. 75 min [rear monitor], 70 min [LVF] in [AVCHD/FHD/60p] *When using S-R24105 and SD Memory Card.	
VIEWFINDER / REAR MONITOR		
Viewfinder Type	OLED Live View Finder	
Pixels	Approx. 5,760k dots	
Field of view / Magnification	Approx. 100% / Approx. 0.78x with 50 mm lens at infinity; -1.0 m⁻¹, when the aspect ratio is set to 3:2	
Eye point / Diopter adjustment	Approx. 21 mm at infinity; -1.0 m⁻¹ / -4.0 – +2.0 (dpt)	
Rear monitor Type	TFT LCD monitor with static touch control	
Monitor size	Triaxial tilt, 3.2-inch (8.0cm), 3:2 aspect	
Pixels	Approx. 2,100k dots	

	LUMIX S1R	LUMIX S1
OTHER BASIC PERFORMANCE		
Focus AF mode	Auto Detection (Face, Eye, Body, Animal), Tracking, 225-Area, Zone (Vertical/Horizontal), Zone (Square), Zone (Oval), 1-Area+, 1-Area, Pinpoint, Custom 1, 2, 3 (Full area touch is available) (Scalable AF frame size and flexible AF position)	
AF detective range	EV -6 - 18 (F1.4, ISO100 equivalent, AFS)	
ISO sensitivity (Standard output sensitivity)	Auto / 50* / 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 / 51200* (Changeable to 1/3 EV step) *Extended ISO	Auto / 50* / 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 / 51200 / 102400* / 204800* (Changeable to 1/3 EV step) *Extended ISO
Image stabilization system	Image sensor shift type (5-axis / 5.5-stop*) *Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=50mm when S-X50 is used.] Dual I.S. (6.0-stop* Dual I.S. 2 compatible) *Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=200mm when S-R70200 is used.]	
Shutter Type	Focal-plane shutter	
Shutter speed	Still image: Bulb (Max. 30 minutes), 1/8,000 - 60 Electronic front curtain shutter: Bulb (Max. 30 minutes), 1/2,000 - 60 Electronic shutter: Bulb (Max. 60 sec), 1/16,000 - 60 Motion picture: 1/16,000 - 1/25	Still image: Bulb (Max. 30 minutes), 1/8,000 - 60 Electronic front curtain shutter: Bulb (Max. 30 minutes), 1/2,000 - 60 Electronic shutter: Bulb (Max. 60 sec), 1/8,000 - 60 Motion picture: 1/16,000 - 1/25
Burst shooting when using mechanical shutter	AFS/MF: H: 9 frames/sec, M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View) AFC: H: 6 frames/sec (with Live View), M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View)	
6K PHOTO** 4K PHOTO**	6K PHOTO: 30 frames/sec 4K PHOTO: 60 frames/sec, 30 frames/sec	
INTERFACE / DIMENSIONS / WEIGHT		
USB	SuperSpeed USB 3.1 Gen1 Type-C	
HDMI	HDMI TypeA Monitor-through: 4:2:2 8bit (Except for [4K/60p]/[4K/50p]) / 4:2:0 8bit	
Remote input	φ2.5mm	
External microphone / external audio device input	φ3.5mm 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	φ3.5mm	
Microphone	Stereo, Wind Noise Canceller: OFF / Low* / Standard / High *When attaching DMW-MS2 (sold separately).	
Card slot	Slot 1: XQD Memory Card Slot 2: SD Memory Card, SDHC Memory Card*, SDXC Memory Card* *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.	
Wi-Fi	2.4GHz (STA/AP) [IEEE802.11b/g/n], 5GHz (STA) [IEEE 802.11a/n/ac] *5GHz Wi-Fi is not available in some countries.	
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.	
Battery	Li-ion Battery Pack (7.4V, 3050mAh, 23Wh) (bundled), USB power supply, USB power charging	
Battery life (CIPA standard) When using XQD memory card	Approx. 360 images [rear monitor], 340 images [LVF], 1,100 images (Power Save LVF mode*) with S-R24105	Approx. 380 images [rear monitor], 360 images [LVF], 1,100 images (Power Save LVF mode*) with S-R24105
When using SD memory card	Approx. 380 images [rear monitor], 360 images [LVF], 1,150 images (Power Save LVF mode*) with S-R24105	Approx. 400 images [rear monitor], 380 images [LVF], 1,150 images (Power Save LVF mode*) with S-R24105
	*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.	
Dimensions (W x H x D)	Approx. 148.9 x 110.0 x 96.7 mm / 5.86 x 4.33 x 3.81 inch (excluding protrusions)	
Weight	Approx. 1,020g / 2.25 lb (XQD Memory Card x 1, Battery, Body) Approx. 1,016g / 2.24 lb (SD Memory Card x 1, Battery, Body) Approx. 898g / 1.98 lb (Body only)	Approx. 1,021g / 2.25 lb (XQD Memory Card x 1, Battery, Body) Approx. 1,017g / 2.24 lb (SD Memory Card x 1, Battery, Body) Approx. 899g / 1.98 lb (Body only)
Operating temperature***	-10˚C to 40˚C (14˚F to 104˚F)	
Operating humidity	10%RH to 80%RH	
Bundled software (download)	LUMIX Tether, PHOTOfunSTUDIO 10.1 PE, SILKYPIX® Developer Studio SE, LoiLoScope Trial Version	
Bundled accessories	Body Cap, Hot Shoe Cover, Eye Cup, Flash Synchro Socket Cap, Cover for the Battery Grip Connector, Shoulder Strap, Battery Pack, Battery Charger, AC Adaptor, AC Mains Lead, USB Connection Cable (C-C), USB Connection Cable (A-C), Cable Holder, Lens Cap (M kit), Lens Hood (M kit), Lens Rear Cap (M kit)	

**S1R: Recording stops when the continuous recording time exceeds 10 minutes with [MP4] in [High Speed Video] [6K PHOTO], 15 minutes with [MP4] in [4K] [4K PHOTO]. S1: Recording stops when the continuous recording time exceeds 10 minutes with [MP4] in [6K PHOTO], 15 minutes with [MP4] in [High Speed Video] [4K PHOTO], 29 minutes and 59 seconds with [MP4] in [4K/60p] [4K/50p]. 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 resolution. The 4K or SD memory card with SD Speed Class with "UHS-I / UHS-II UHS Speed Class 3 (U3)" when recording motion pictures with [MP4] in [4K] [High Speed Video] or [4K PHOTO/4K PHOTO]. (SD speed class is the speed standard regarding continuous writing.). MP4 motion pictures with [MP4] in [4K]: When using an XQD memory card of 32 GB or less, or an SDHC memory card: You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately. When using an XQD memory card over 32 GB, or 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. 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. ***The camera may stop recording when used in lower or higher than recommended operating temperature. -10 to 40 degrees.

Panasonic

JOIN US ON

Lumix S1r | S1

Ultimate Resolution. Professional Performance.

A new 47.3-megapixel CMOS sensor that delivers incredibly realistic detail.
Focus and O.I.S. systems that capture each instant with stunning clarity.
A body design that fluidly guides photographic intentions toward unforgettable images.
With all these features and more, this full-frame mirrorless camera transports you
to the world of passionate image creation.

47.3MP Full-frame CMOS Sensor

A 47.3-megapixel full-frame CMOS sensor gives the LUMIX S1R the industry's highest level of resolution* to pursue the ultimate power of expression. This sensor adopts an aspherical lens for an on-chip micro lens to enhance light condensation. Optimally designed to concentrate more incoming light onto the photodiode, it features both high resolution and highly efficient light condensation performance. In addition to the precise reproduction of details, this sensor achieves a high S/N ratio. A massive amount of digital signals are processed by a new, high-speed, high-performance Venus Engine to render images with breathtaking description in both photo and video.

* As a Full-frame Digital Single Lens Mirrorless Camera, as of February 1, 2019.

Ultimate Hybrid. Fuel the Passion for Stills and Video.

A new 24.2-megapixel CMOS sensor that delivers incredibly realistic detail.
4K video recording with no time limit, meeting professional needs.*
Going beyond the boundaries of still and video,
this full-frame mirrorless camera inspires passionate image creation.

24.2MP Full-frame CMOS Sensor

The LUMIX S1 comes with a 24.2-megapixel full-frame CMOS sensor. Providing ample light condensation per pixel, the LUMIX S1 boasts a wide dynamic range and reproduces sharp images with exceptional clarity. The new Venus Engine, which is exclusively tuned for the full-frame camera, and its Multipixel Luminance Generation and Intelligent Detail Processing, realize natural, high-resolution expression while suppressing color moiré. Three-dimensional Color Control also improves the color reproduction of both bright areas and shadows. Thanks to the high-performance sensor and engine, true-to-life images from low to high sensitivity are realized. The LUMIX S1 is an ideal camera especially in low-light situations with minimal noise even at the maximum ISO51200.

* Maximum 29 minutes 59 seconds in 4K 60p/50p until the SD Memory Card becomes full or the battery runs out. 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.

Highly Detailed Images

6-stop 5-axis Dual I.S. 2

The LUMIX S1R/S1 integrates the Body I.S. (Image Stabilizer) with 5.5-stop compensation power.*[1] Combining the Body I.S. (5-axis) and the O.I.S. (Optical Image Stabilizer, 2-axis) in the LUMIX S Series lenses, the 5-axis Dual I.S. 2 compensates for larger movements that were conventionally uncontrollable.*[2] It is highly beneficial for telephoto shots and adverse situations, such as in low light or with one-handed shooting with a 6-stop slower shutter speed.*[3]

High Resolution Mode – 187MP (S1R) / 96MP (S1)

High Resolution mode enables ultra-high precision photo shooting. Eight consecutive images are automatically shot while shifting the sensor using the Body I.S. mechanism and synthesized into a RAW image. This mode is ideal for taking natural landscapes or fine arts with delicate details. However, it can also be used in situations where moving subjects are included in the scene, by switching the sub mode.

HLG Photo Mode – New Style of Photo Expression

Panasonic's HLG Photo mode excels in the expression of lights, such as sparkling starlight or glaring sunlight.*[4] It provides a wider dynamic range to reproduce light and shadows with more natural contrast. The HLG Photos can be produced as HSP files with compressed high-brightness signals.*[5] Photographers can view those images on the latest Panasonic HLG-compliant 4KTV via HDMI cable connection or other HLG-compliant devices.

High-precision Shutter Unit

The new shutter unit offers a maximum shutter speed of 1/8000 second to capture fast moving subjects and to use a high-speed lens with a fully open aperture even outdoors. The external flash can be synchronized with the industry's fastest shutter speed*[6] of a maximum 1/320 second.*[7]

Instantaneous Shooting

High-speed, High-precision AF of Approximately 0.08 sec

Panasonic has achieved a high-speed AF with its advanced control technology over major devices – lens, sensor and imaging engine. The lens and sensor communicate at a maximum 480 fps. Combining the Contrast AF with DFD technology, the LUMIX S1R/S1 realizes an ultra high-speed, high-precision AF of approximately 0.08 sec.*[8]

Low Light AF in -6EV Condition

As a camera that excels in low-light shooting, the LUMIX S1R/S1 boasts -6EV*[9] luminance detection performance with Low Light AF thanks to the higher sensitivity and optimized tuning of the sensor.

Adoption of AI Technology

The LUMIX S1R/S1 also incorporates Advanced AI Technology that detects specific subjects – humans and fast-moving animals, including canidae, felidae and birds. The LUMIX S1R/S1 keeps tracking these subjects even when they turn their back to the camera.

Video Recording Performance

4K 60p/50p video recording is available in the LUMIX S1R/S1. Furthermore, the LUMIX S1 is capable of recording a full-pixel readout of signals and a crop factor of 1.0x in 30p/25p to save truly beautiful footage with no time limit*[10] for both Full-HD and 4K 30p/25p, as well as HDR (High Dynamic Range) video recording. The LUMIX S1 will comply with 4:2:2 10-bit 4K 30p/25p internal video recording, 4K 60p/50p HDMI output and V-Log with a software upgrade key (to be sold separately).*[11]

High Speed Video

The High Speed Video lets you record slow motion video in 4K (max. 60 fps / 50fps) and FHD (max. 180 fps / 150fps).

Reliable Operation

The Largest-in-class Real View Finder

The largest-in-class Real View Finder boasts the world's highest 5,760k-dot resolution.*[6] The 0.78x magnification ratio can be switched to 0.7x or 0.74x according to the shooting situation. Adoption of a high-speed, high-precision OLED (Organic Light-Emitting Diode) for the LVF achieves smooth display at 60 fps / 120 fps (switchable) and high-speed response with minimum time lag of less than 0.005 sec as well as 10,000:1 high contrast for exceptional visibility.

Triaxial Tilt Rear Monitor and Status LCD

The 2,100K-dot high resolution monitor in 3:2 aspect ratio has adopted a triaxial tilt moving element to secure both durability and operational ease. It also has a touch control system.
The LUMIX S1R/S1 includes a largest-in-class*[6] Status LCD on the top, allowing users to check the settings at a glance.

Double Memory Card Slot

The Double Memory Card slot is compatible with SD Memory Cards (UHS-II) and XQD Memory Cards for high-speed, high-capacity, continuous data recording.*[12]
It will also be compatible with CFexpress in the near future.

Rugged Design

To be tough enough to withstand heavy field use, the main structure is composed of a magnesium alloy full die-cast front/rear frame. Robust construction and a sealing for every joint, dial, and button make the LUMIX S1R/S1 not only dust resistant and splash resistant but also operates down to -10 degrees Centigrade.*[13] The shutter unit is also durable for approximately 400,000 cycles.

LUMIX S1R   DC-S1R

LUMIX S1   DC-S1

*[1] Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=50mm when S-X50 is used.] *[2] 5-Axis Dual I.S.2 can be used with the lens S-R24105 and S-R70200 as of February 1, 2019. *[3] Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=200mm when S-R70200 is used.] *[4] "HLG (Hybrid Log Gamma)" is an international standard (ITU-R BT.2100) HDR format. *[5] "HSP" is an HDR picture format using HLG format video technology. *[6] As a Full-frame Digital Single Lens Mirrorless Camera, as of February 1, 2019. *[7] The guide number decreases at 1/320 second. Only when set to M mode or S mode. *[8] 11EV, at wide-end with S-R24105 (LVF120 fps setting. *[9] At ISO 100, F1.4, AFS. 100% contrast target. *[10] Maximum 29 minutes 59 seconds in 4K 60p/50p until the SD Memory Card becomes full or the battery runs out. 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. *[11] 50p and 25p recording only for 50Hz area. *[12] XQD is a trademark of Sony Corporation. *[13] Dust and Splash Resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with dust and water.

Fixed Focal Length

The core of the LUMIX S Series of lenses with large aperture

LUMIX S PRO Certified by LEICA
50mm F1.4

Legend: S 10 --- M 10 --- S 30 --- M 30
MTF [%]*1 — Distance from image center [mm]
50mm F1.4

■ ASPH ■ ED
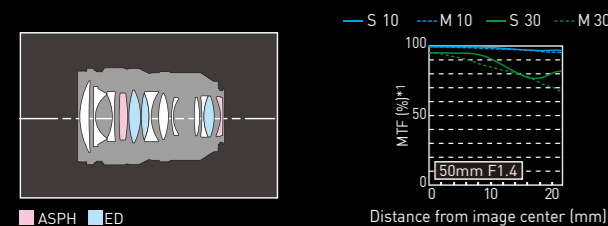
Product Number	S-X50
Lens Construction	13 elements in 11 groups
Mount	L-Mount
Closest Focusing Distance	0.44m / 1.44ft
Maximum Magnification	Approx. 0.15x
Dust and Splash Resistant	Yes*2
Operating Temperature	-10˚C to 40˚C (14˚F to 104˚F)
Filter Size	φ77mm
Max. Diameter	φ90mm / 3.54inch
Overall Length	Approx. 130mm / 5.12inch
Weight	Approx. 955g / 33.69oz
Supplied Accessories	Lens cap, Lens rear cap, Lens hood, Lens storage bag

Telephoto Zoom

High resolution with stunning clarity across the entire zoom range

LUMIX S PRO Certified by LEICA
70-200mm F4 O.I.S.

Legend: S 10 --- M 10 --- S 30 --- M 30
MTF [%]*1 — Distance from image center [mm]
70mm F4 — 200mm F4

■ ASPH ■ ED ■ UED ■ UHR
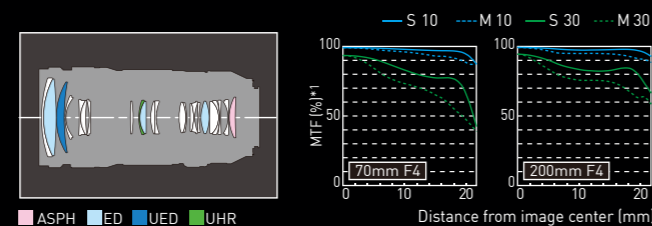
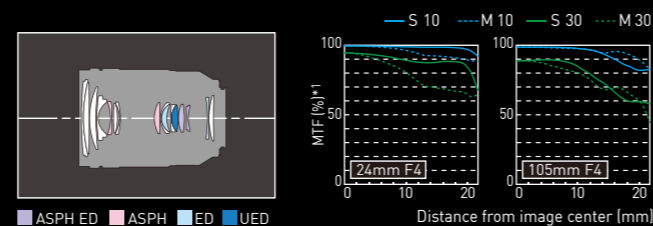| Product Number	S-R70200
Lens Construction	23 elements in 17 groups
Mount	L-Mount
Optical Image Stabilizer	Yes
Closest Focusing Distance	0.92m / 3.02ft
Maximum Magnification	Approx. 0.25x
Dust and Splash Resistant	Yes*2
Operating Temperature	-10˚C to 40˚C (14˚F to 104˚F)
Filter Size	φ77mm
Max. Diameter	φ84.4mm / 3.32inch
Overall Length	Approx. 179mm / 7.05inch
Weight	Approx. 985g / 34.74oz
Supplied Accessories	Lens cap, Lens rear cap, Lens hood, Lens storage bag, External tripod mount

Standard Zoom

Covering the wide-angle to medium telephoto range with macro shot capability

LUMIX S
24-105mm F4 MACRO O.I.S.

Legend: S 10 --- M 10 --- S 30 --- M 30
MTF [%]*1 — Distance from image center [mm]
24mm F4 — 105mm F4

■ ASPH ED ■ ASPH ■ ED ■ UED

Product Number	S-R24105
Lens Construction	16 elements in 13 groups
Mount	L-Mount
Optical Image Stabilizer	Yes
Closest Focusing Distance	0.30m / 0.98ft
Maximum Magnification	Approx. 0.5x
Dust and Splash Resistant	Yes*2
Operating Temperature	-10˚C to 40˚C (14˚F to 104˚F)
Filter Size	φ77mm
Max. Diameter	φ84mm / 3.31inch
Overall Length	Approx. 118mm / 4.65inch
Weight	Approx. 680g / 23.99oz
Supplied Accessories	Lens cap, Lens rear cap, Lens hood, Lens storage bag

*1 For lenses that are capable of compensating distortion, the horizontal axis of the MTF shows the distance from the center of the corrected image. *2 Dust and Splash Resistant does not guarantee that damage will not occur if this lens is subjected to direct contact with dust and water.

L MOUNT

UNLIMITED

Leica Camera, Panasonic and Sigma are set to offer a user-friendly solution that will allow photographers to ˚mix and match˚ any of the three manufacturers' APS-C and full-frame cameras with any lens from each other's product portfolios. Regardless of which combination you might choose: virtually all functional and qualitative characteristics of each respective system will be fully retained. The L-Mount thereby opens up an almost limitless spectrum of new creative possibilities.

Discover the possibilities at www.l-mount.com

An Alliance by Leica SIGMA Panasonic

* The L-Mount Logo mark is a trademark or registered trademark of Leica Camera AG.

Optional Accessories

① External Flash DMW-FL580L (GN58)
② Stereo Shotgun Microphone DMW-MS2
③ Eyecup DMW-EC6
④ XLR Microphone Adapter DMW-XLR1
⑤ Shutter Remote Control DMW-RS2

⑥ Shoulder Strap (Bundled)
⑦ Battery Grip DMW-BGS1
⑧ Battery Charger DMW-BTC14*
⑨ Battery Pack DMW-BLJ31*

* This accessory is also bundled with the LUMIX S1R and S1.