



LEICA SL

LEICA. **DAS WESENTLICHE.**



1914

The folding viewfinder of the Ur-Leica and the EyeRes viewfinder of the Leica SL share a common ancestry, a tradition of innovation that has been upheld for more than 100 years. Over a century of technological progress lies between them, but there is one constant that has characterized our company since Oskar Barnack's development of the Ur-Leica: concentration on the essentials. Strict orientation towards the necessities of photography. This



2015

applies in equal measure to the Ur-Leica and the Leica SL. Both reflect the pinnacle of the technically possible in their times, and both combine quite a number of innovations. They enable exceptional picture quality to be brought to life. And, just as the Ur-Leica changed the world's attitude to photography at the beginning of the last century, the Leica SL will expand its horizons even further today.

LEICA **SL-SYSTEM**

One look is enough.

Anyone looking through the EyeRes viewfinder of the Leica SL can see it: the future of photography. This mirrorless system camera wows with its multitude of innovations in Leica's outstanding quality that concentrates on the essentials. Experience exceptional speed, versatility, and picture quality. Please welcome the beginning of a new era of professional photography made in Germany. Please welcome the Leica SL-System.



LEICA **SL-SYSTEM**
Highlights.



EYERES VIEWFINDER

The Leica SL features an integrated electronic viewfinder. This is the first of its kind to feature EyeRes technology, developed by us especially for the Leica SL. This means that the resolution is so high and the latency time so low that, at first glance, it appears to be an optical finder. It does, however, offer all the advantages of an electronic viewfinder: for instance, you see the finished picture in the viewfinder even before you press the shutter release.

HANDLING

The Leica SL goes wherever you go. Machined from a solid block, its dust and splash-proof aluminum body was developed to stand up to the challenges of professional use. That was also the idea behind its handling concept, which you will intuitively grasp as soon as you take a Leica SL in your hands.



IMAGE QUALITY

A full-frame, 24 MP CMOS sensor and the very finest lenses. The perfectly matched components of the Leica SL-System guarantee exceptional picture quality. No matter which attribute you consider – sharpness, contrast, dynamic range – you can recognize the finely orchestrated interplay of the Leica SL-System in each of its 24 million pixels.

SPEED

The Leica SL enables continuous shooting at up to 11 frames per second – at full 24 MP resolution. With its Maestro II Series processor and 2 GB RAM, the Leica SL is always ready to capture the perfect picture as it appears. These decisive moments will never be missed thanks to the fastest autofocus in its class.

COMPATIBILITY

The Leica SL offers you access to an enormous range of lenses. In addition to the system lenses, lenses for the Leica T camera system can also be mounted on the Leica SL without an adapter. Leica lenses from the S-, M-, and R-System and lenses from other manufacturers can also be mounted on the Leica SL camera with appropriate adapters.

LEICA **SL-SYSTEM**

Magnificent and mirrorless.



Picture quality, speed, and – particularly important for professional use – a robust construction: with record values in all areas, the Leica SL finally puts an end to the arguments that spoke for holding onto old-fashioned single lens reflex technology. In fact, it delivers several instances of conclusive proof that the mirrorless, full-frame camera is the technology of the future.



- + The light coming through the lens falls directly on the sensor, which delivers an uninterrupted live image to the electronic viewfinder. This live image takes all camera settings and exposure parameters into account and, if desired, also displays additional information.
- + In contrast to SLR cameras, the scene remains visible in the viewfinder during video recording.
- + The viewfinder displays the scene in full. The viewfinder image can be magnified if needed to check aspects such as sharpness and rendition of details.
- + The viewfinder image remains bright and clear, no matter what aperture is set on the lens. The view also stays bright when stopping down and makes assessing depth of field much better and easier than with an SLR.
- + As the capture format of the sensor can be changed electronically, even lenses that don't cover the entire image circle generate a full-size viewfinder image.
- + As there is no mirror and prism assembly, the camera can be slimmer. Viewed from side, the Leica SL is only 35 mm thick.
- + The sensor is not as deep inside the camera body, which makes it much easier to clean.
- + As the complex mechanisms of an SLR are no longer required, the Leica SL is less prone to mechanical failures.
- + The Leica SL has no mirror action and is therefore much quieter. The shutter is mechanical, and the loud noise and vibration of mirror slap a thing of the past. A clear advantage in situations where photography should not be intrusive – for instance in churches or concert halls.
- + Thanks to its short flange-to-film distance, many different lenses can be mounted with appropriate adapters, even lenses for cinematography that must generally be modified to fit on SLR cameras due to their long flange-to-film distance.



The EyeRes viewfinder of the Leica SL gives you complete control.

A VISION WITH
4.4 MP

EYERES VIEWFINDER

There are innovations whose revolutionary character captivates you at first glance. One of these is the EyeRes viewfinder of the Leica SL, the first ever camera for professional photography with an electronic viewfinder. With a latency time below the threshold of perception and a resolution of 4.4 million pixels, this electronic viewfinder offers an entirely new visual experience. As its image can be electronically brightened, the EyeRes viewfinder is actually superior to optical viewfinders in low or unfavorable light. It also offers all the options and features that only an electronic viewfinder can. For instance, the viewfinder, with a size that harks back to medium-format cameras, shows you how your final picture will look. The effects of all decisive parameters like exposure, depth of field, and white balance are simulated and can thus be assessed before pressing the shutter release. Electronic functions like a dual-axis leveling aid, various grids, or Focus Peaking can be displayed in the electronic viewfinder to help you get the very best from your subjects. The Leica SL meets your professional video recording requirements with a zebra function for avoiding overexposure that can be added to the viewfinder image. The EyeRes viewfinder is activated in the simplest possible way – by looking through it. An integrated sensor switches it on and off to prevent unnecessary battery drain.

TOUCH SCREEN

In addition to the EyeRes viewfinder, the Leica SL does of course also feature a screen with a diagonal of 2.95" that allows a reliable and precise assessment of pictures at viewing angles of up to 170 degrees. The touch screen enables you to browse through your exposures quickly and efficiently or set the focus quite simply by tapping the relevant part of the scene in Live View mode.

TOP DISPLAY

Essential photographic parameters such as the aperture, shutter speed, and ISO sensitivity can be displayed whenever you wish in the EyeRes viewfinder or on the back display panel. These parameters are also permanently displayed on the monochrome top display of the Leica SL that remains readable even in bright daylight.





Leica SL, full-size view.



The menu of the Leica SL allows rapid access to all functions, settings, and options.

**PROFESSIONAL
HANDLING**

From the lens to the sensor and the processor – the optical-electronic system of the Leica SL enables truly exceptional picture quality. To ensure that this is achieved with every exposure, the Leica SL is distinguished by its professional handling concept. In addition to its sophisticated ergonomic design and surfaces with outstanding grip, this also includes an accessory handgrip for shooting in portrait format. The handgrip provides all relevant controls and its second battery extends the readiness of the camera. What’s more, the latter can be removed and inserted in mere seconds to ensure minimum breaks in shooting. You don’t need to worry about dust entering the camera when changing lenses – ultrasonic cleaning now reliably removes dust and dirt particles from the sensor. With various connection options, like HDMI 1.4 and USB 3.0, the Leica SL guarantees professional workflows for all kinds of shooting.

**NIFTY CONCEPT
OF OPERATIONS**

Our maxim of concentrating on the essentials was also applied when developing the concept of operations for the Leica SL. As a result, the Leica SL can be used intuitively by any photographer. Fewer controls and sophisticated, tidy menus let you find the settings you need much faster. Numerous functions can be controlled directly and customized according to your personal preferences. Via the Favorites menu, you can then access your most important settings with a single click. The four buttons around the back panel display and two further function buttons can be freely programmed. Navigation within menus is controlled by either the click wheel or the joystick. The required aperture and shutter speed are set with two separate dials. In addition to the shutter release and the dedicated video recording button, you will also find a button for switching between photo and video mode on the top plate of the camera. The stop-down button used to assess exposure and depth of field is located on the front of the camera. Thanks to the touch screen, browsing through your exposures is child’s play. The concept of operations of the Leica SL assists you in your work in the best possible way: the way you want.



In 2015, the design engineers responsible for the development of the Leica Summilux Cine lenses were honored with the highest accolade the motion picture industry awards for technical products and innovations: the Scientific and Engineering Award® of the Academy of Motion Picture Arts and Sciences.

ISO 50000

24 MP CMOS SENSOR

The sensor of the Leica SL has 4000 × 6000 pixels with a pixel pitch of 6 × 6 μm² on an active surface area of 24 × 36 mm². This means that you can depend on the imaging quality of a 35 mm, full-frame format. To ensure maximum image sharpness, Leica has left out the lowpass filter. At the same time, a specially designed pixel architecture ensures that more light falls on each individual photodiode. The result is impressive dynamic range, excellent contrast rendition, exceptional sharpness, the highest resolution, and noise-free images in almost all lighting conditions. Particularly in available-light situations, the interplay of the sensor with the Leica SL lenses reveals its full potential and is captivating with its atmospheric exposures of superior quality, whereby the ISO value can be set to a maximum of 50000. The sensor also plays a key role in terms of the compatibility of the Leica SL-System. For instance, it is optimized for use with Leica M-Lenses and, in addition to supporting all functions, delivers a picture quality that can be achieved only by Leica cameras.

4K VIDEO

The Leica SL is much more than a professional still-picture camera with video recording capability: it fulfills even the most stringent demands of moviemakers as a fully fledged video camera. It begins with a clear and simple handling concept that clearly separates still and motion picture functions and ends with HDMI 1.4 output. This allows the transfer of professional video in 4:2:2 10-bit format in 4K cinema resolution and, in combination with HDMI recorders, a compact setup for shooting professional video footage.

As soon as the Leica SL is in video mode, the display shows only relevant information for video recording, such as safety area, aspect ratio, zebra function, or the recording level of the microphone. As you'd expect from professional equipment, the exposure is always displayed as it is during recording. An optional audio adapter allows you to connect an off-camera microphone and the audio recording level can be set without accessing the menu. As when using the Leica SL for still pictures, you can depend on the excellent quality of motion picture recordings and enjoy almost boundless creative freedom. In combination with the excellent Leica Summilux and Summicron Cine lenses, and by working with 4K resolution in Super 35 format, you gain access to possibilities that were otherwise known only to professional cameramen in the production of movies for the silver screen.

Thanks to its 24 MP CMOS sensor and high-performance Maestro II series processor, the Leica SL is fully capable of producing professional videos in 4K resolution. You have the choice of UHD with 30 frames per second or even Cine4K with a frame rate of 24 frames per second. In full HD, you can even shoot video with up to 120 frames per second, an option that also makes use of the entire sensor area. The ability to adapt the active sensor area to the lens in use is yet further evidence of the Leica SL's versatile nature. The video recordings can be saved either in MOV or MP4 format. The Leica SL is a real movie star if you are looking for the best possible video quality.

11 FPS

MAESTRO II PROCESSOR

The exceptional speed of the Leica SL is down to the use of a Maestro II series high-performance processor. It ensures that the camera responds instantaneously to every command – at all times. Together with its 2 GB of RAM, the processor makes it possible to capture consecutive exposures at rates of up to 11 frames per second with full 24 MP resolution and 4K video with a frame rate of 30 frames per second. Still pictures can be saved simultaneously in both JPEG and DNG format to an SD memory card by virtue of the fast UHS II standard. Thanks to its Maestro II series processor, the Leica SL achieves the best performance currently possible in the professional camera class in many areas and underlines the groundbreaking character of the camera.

AUTOFOCUS

Decisive moments often come only once in a lifetime. The Leica SL ensures you don't miss out on them by offering you the fastest autofocus of any professional camera – including SLRs. The camera focuses all the way from infinity to the closest focusing distance in less than 110 milliseconds. The Leica SL does of course offer you a choice of AF-C or AF-S, depending on your subject, and the ability to switch from autofocus to manual focus by turning the ring on the lens at any time. The Leica SL controls focusing on the basis of 49 AF segments with exceptional speed and precision. For more detailed working, the camera also offers the ability to set a single AF point anywhere on the subject. Focusing can be set either by a simple tap on the touch screen on the part of the subject you wish to focus on, or automatically, by enabling the face detection feature. The Leica SL focuses sharply on the face nearest to the camera. Another useful aid is subject tracking. Here, when a particular object is marked with a focusing point, the focus is held on this object and follows its movement.



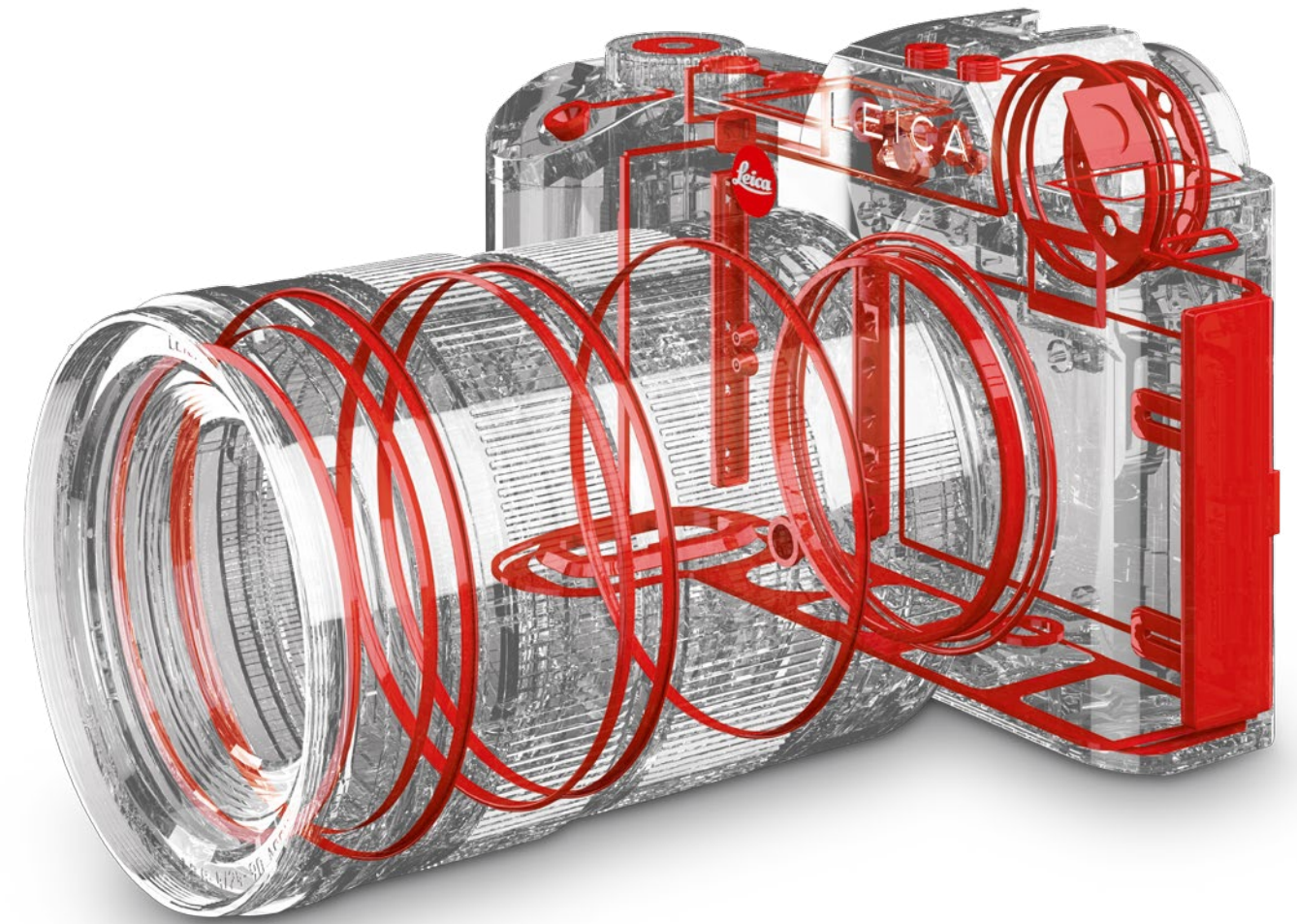
The double internal focusing works with two moving lenses.

MADE IN GERMANY

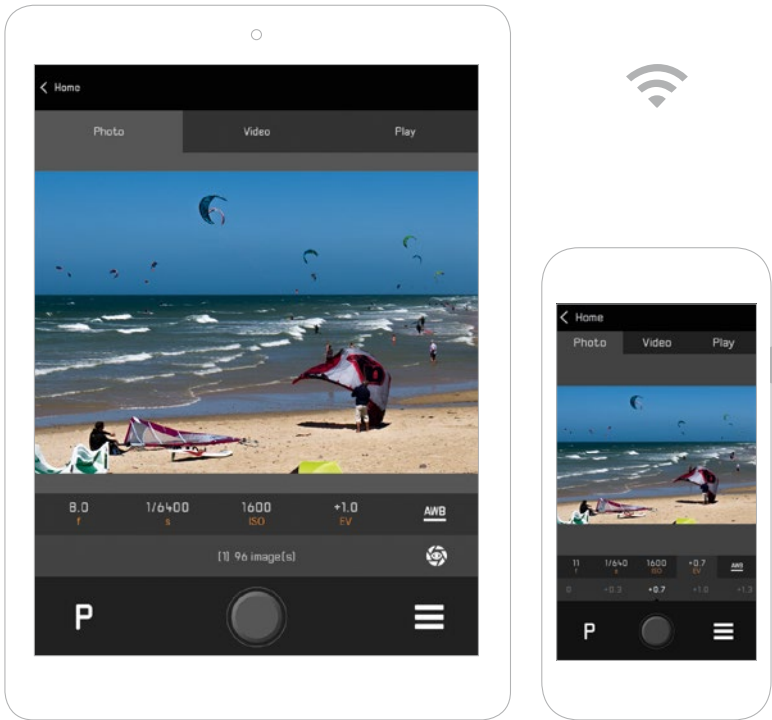
DESIGN AND FINISH

The slim profile, the clear formal language, and the distinctive contours reveal the origins of the Leica SL at a glance. The camera is also impressive on account of its design, which is as classic as it is functional. The ergonomically designed handgrip and the diamond-patterned embossing of the high-quality leather trim ensure outstanding grip and are ideal for spontaneous and single-handed shooting. The results can be viewed through the extremely scratch-resistant and anti-reflex coated real glass cover of the back panel display. A special feature here is that the cover glass and the LCD panel form a single entity – with no gaps that could let dust or dirt get inside.

Resilience and robustness played an essential role in the development of the Leica SL from the start: from the elaborate construction, selected materials, and precise finishing to the integration of numerous seals in the camera body, its control elements, and the Leica SL-Lenses to make it virtually impossible for dust or water to get inside. Specially hardened front glasses with AquaDura® coating provide the lenses with additional protection against dirt, dust, and moisture. The Leica SL is built to take the often hard realities of professional photography in its stride. Not least thanks to its body components machined from solid blocks of aluminum. Assembled, they form a surprisingly light camera body that weighs in at only 847g and perfectly protects the sensitive components inside the camera. The Leica SL is a highlight of the art of engineering made in Germany.



Thanks to perfect sealing, the Leica SL is ready for anything.



Check, control, and share: the Leica SL app.

GPS

Another very practical feature of the Leica SL is an integrated GPS module for geotagging your pictures. The precise shooting location is recorded in the EXIF data of the image file. The Leica SL also gets the precise local time directly from the GPS satellite. As this avoids the need for setting the time, it is a practical feature for frequent fliers and travelers who often move from one time zone to another. The precise geographic location of every picture can be mapped in Adobe® Photoshop® Lightroom® and avoids the need for elaborate documentation of locations when shooting a reportage.

DNG – THE UNIVERSAL IMAGE DATA FORMAT

Be flexible, stay flexible: the Leica SL saves image data in the future-proof DNG (Digital Negative) format. This is the only manufacturer-independent, standardized format that does not rely on dedicated RAW converters and can be read by the majority of image processing programs. For you, this means you are free to choose any workflow solution. If required, the Leica SL can also create high-quality image files in JPEG format and it goes without saying that it supports the fast UHS II SD memory card standard.

USB 3.0

Progress means that you keep moving. The Leica SL means exceptional speed. Thanks to a fast, latest-generation sensor and a perfectly matched high-performance processor, the Leica SL can process enormous volumes of image data every second. In order to transfer these data to your computer with appropriate speed, the Leica SL features a USB 3.0 interface which enables you to connect a camera to a computer for fast and stable tethered shooting.

LEICA SL APP

One app, a wealth of options: install the Leica SL app on your mobile device to enable remote control of the camera or a leisurely browse through your pictures. In Live View, you can remotely control your camera, set the focus and relevant parameters, and activate the shutter release – and the same goes for videos, too. The screen of your device serves as an external viewfinder. You can assess, mark, or delete any picture you take directly on your mobile device. Another useful feature is the ability to post and share photos and videos across social media.

LEICA IMAGE SHUTTLE

Leica Image Shuttle software ensures an efficient tethered shooting workflow. It enables complete control of the Leica SL from your computer via a USB 3.0 port. It allows you to reliably control all relevant exposure parameters, such as the exposure time and the aperture, and even the distance setting on the lens, from your computer and assess your images on a large monitor.

ADOBE® PHOTOSHOP® LIGHTROOM®

Adobe® Photoshop® Lightroom® software is the ideal workflow solution for all digital image processing needs. The software imports, manages, and archives still pictures and videos. What makes it a really invaluable resource for professional digital photography is its extensive range of powerful image processing functions – not least thanks to its RAW workflow. This ensures that original image files remain unaltered and all changes made are documented in a separate file. An additional image file is only generated when images are exported.

LEICA **SL-LENSES**

The new generation of professional lenses.

The Leica SL-Lenses constitute the pinnacle of more than 100 years of expertise and experience in the design and construction of excellent lenses by Leica that is unrivaled by any other brand. Excellent imaging performance in combination with what is currently the fastest possible autofocus make working with the Leica SL-System an entirely new experience. The result: picture quality like never before in 35 mm format. What's more, the exceptional compatibility of the Leica SL-System grants you access to almost all Leica lenses ever made.

145 LENSES



IMAGE QUALITY

Refined optical systems guarantee the exceptional imaging quality of the Leica SL-Lenses. Aspherical elements are employed for the correction of monochromatic aberrations. Specially formulated glass types eliminate chromatic aberrations. In the design of the lenses, particular care has been taken to ensure homogeneous imaging performance at all focal lengths and settings. This allows the choice of the ideal aperture for the creative effect you have in mind in every situation. As Leica SL-Lenses already achieve extremely high contrast values at maximum aperture, they are particularly suitable for the creative use of planes of sharpness and unsharpness and the distinct isolation of subject details. In addition, sophisticated coating on all lens surfaces effectively minimizes reflections, stray light, and flare.

AF SPEED

Leica SL-Lenses focus from infinity to the closest focusing distance with exceptional speed and set reference standards in the professional camera segment. The reasons for this are, on the one hand, the advanced evaluation and control algorithms in the camera and, on the other hand, the newly developed focusing drives. The lightweight lens elements focus rapidly and almost noiselessly with absolute precision and are almost silent in video mode thanks to a special control mechanism. Manual focusing is dynamic – meaning that the focusing speed is dependent on the speed of turning the mechanically uncoupled focusing ring. A depth-of-field scale for the currently selected settings can be displayed as an additional option in the EyeRes viewfinder of the camera.

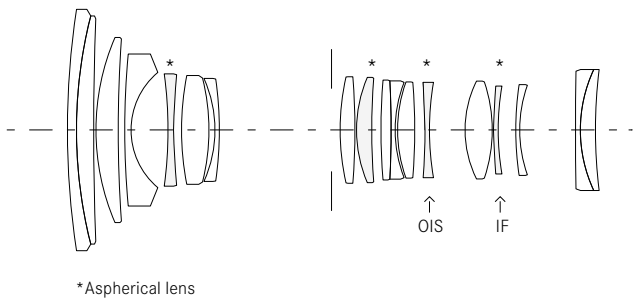
CONSTRUCTION

The shorter register due to the omission of the mirror and its related components is exploited by newly developed optical and mechatronic constructions. These allow lenses used with the camera to deliver even better performance in all disciplines. For the preservation of consistent imaging quality at closer focusing distances, the SL-Lenses feature floating elements that are positioned separately with their own motors. For this, only particularly light focusing elements that fulfill the demands of a fast, responsive, and almost-silent autofocus system are employed in the lenses. Thanks to their encapsulated construction and seals impervious to water and dust, SL-Lenses are ideally protected against potentially damaging environmental influences. In addition, Leica AquaDura® coating provides effective protection of the exposed surfaces of lenses against dirt and scratching.

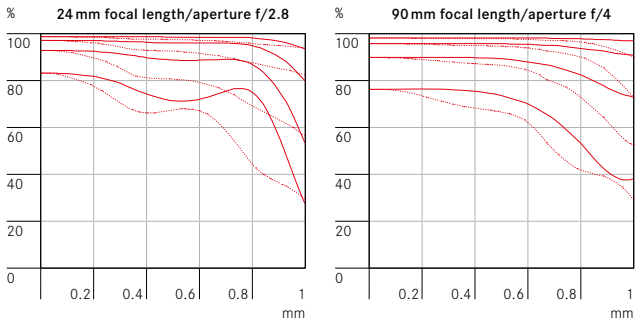
With its wide range of focal lengths and high speed, the Leica Vario-Elmarit-SL 24–90 mm f/2.8–4 ASPH. is the ideal standard zoom lens in the Leica SL-System portfolio. This completely new design with internal focusing impresses with excellent imaging performance at distances from infinity to its closest focusing limit – both wide open and stopped down. A close focusing limit of 0.3 meters at its wide-angle setting and a maximum reproduction ratio of 1:3.8 at the telephoto end of the range provide fascinating perspectives. Its integrated optical image stabilization enables exposure times to be increased by up to 3.5 stops as defined by the CIPA standard.

CONSTRUCTION DETAILS

Of the 18 elements in six moving groups, four are aspherical lens elements and 11 are elements made from glasses with anomalous partial dispersion for the minimization of chromatic aberrations. Only one very light element is moved for focusing. Very fast, almost-silent, precise focusing is enabled by a specially developed drive concept comprising a stepping motor and linear positioning. This means that the overall length of the lens does not change during focusing. The rectangular form of the lens hood supplied with the lens very effectively suppresses undesirable reflections and stray light and prevents flare.



Subject distance infinity

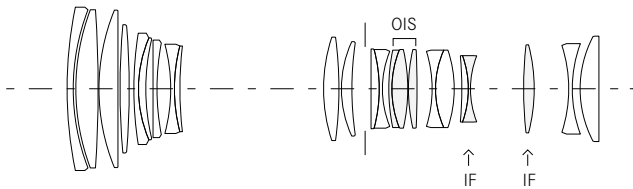


LEICA **APO-VARIO-ELMARIT-SL** 90–280 mm f/2.8–4

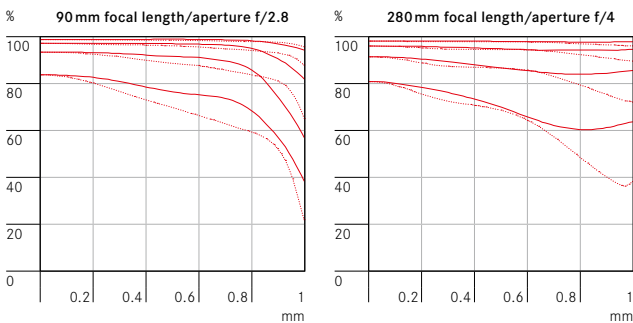
The zoom range of the fast Leica APO-Vario-Elmarit-SL 90–280 mm f/2.8–4 follows on directly from that of the Leica Vario-Elmarit-SL 24–90 mm f/2.8–4 ASPH. Together, these two lenses cover a range of focal lengths extending from 24 to 280 mm. This completely new telephoto lens construction features double internal focusing, in which two lens elements move towards each other. This guarantees extremely fast and almost-silent autofocus and consistently high imaging performance from infinity to its closest focusing distance. This zoom lens with apochromatic correction resolves the finest structures without color fringing and with very high contrast rendition at all settings. Close focusing limits of 0.6 meters at 90 mm and 1.4 meters at 280 mm and a reproduction ratio of 1:4.8 to 1:5 make this versatile lens ideal for close-up photography. Its integrated optical image stabilization even enables shake-free hand-held photography at telephoto settings. It enables exposure times to be increased by up to 3.5 stops as defined by the CIPA standard.

CONSTRUCTION DETAILS

Of the 23 elements in seven moving groups, seven are made from glasses with anomalous partial dispersion for the minimization of chromatic aberrations. The movement of the two focusing elements is provided by a newly developed drive concept with linear positioning of the lenses by stepping motors. A special feature of this is that the overall length of the lens does not change when either focusing or zooming. The lens hood supplied with the lens suppresses undesirable reflections and stray light and prevents flare. The lens also has a removable tripod plate for attaching it to a tripod. Its ergonomic design makes the lens easier to carry in one hand and allows the attachment of a lens belt. A lockable rotating tripod collar allows the lens to be fixed at any angle. The collar has detents every 90 degrees for rapid switching from landscape to portrait format.



Subject distance infinity



AVAILABLE
MID-2016



LEICA **SUMMILUX-SL** 50 mm f/1.4 ASPH.

AVAILABLE
LATE 2016

The Leica Summilux-SL 50 mm f/1.4 ASPH. is the new reference lens of this focal length. Featuring fast autofocus, it is designed to deliver maximum optical performance and establishes new benchmark standards in terms of sharpness. Thanks to internal focusing, the overall length of the lens remains unchanged when focusing.



LENSES FOR THE LEICA T CAMERA SYSTEM

High-performance autofocus lenses.



All our lenses have one thing in common: they are designed with a passion for creating the best in their class. This also applies to the lenses for the Leica T APS-C format camera system. This portfolio offers you three prime lenses and three zooms covering an extreme range of focal lengths ranging from 17 to 200 mm. You also benefit from their light-weight and compact construction. This ensures you are ideally prepared for any photographic situation – and there’s no need for an adapter. Perfect compatibility: even though the sensor is not completely covered by these lenses, the EyeRes viewfinder fills the frame with the picture they deliver and the camera automatically switches to APS-C format. This format is also saved to the image files to avoid the need for an additional cropping step later on. It also transforms the Leica SL into a compact, 4K video camera.

PRIME LENSES: FAST CLASSICS

Leica – no other name has such strong links with reportage photography. This is why the classic focal length of 50 mm (equivalent in 35 mm format) simply must be represented in the Leica TL lens portfolio. Here, the newly developed Leica Summicron-TL is the reference lens that delivers performance characteristics that are unequalled by comparable lenses and possesses the ability to exploit the full potential of modern camera systems. The range of prime lenses is rounded off by the focal lengths 35 and 90 millimeters (equivalent in 35 mm format). All three of these prime lenses deliver images with the unique Leica look, the unmistakable bokeh, and each of them is impressive on account of their exceptional imaging performance from maximum to minimum aperture at all distances from infinity to their closest focusing distance.

Leica Summicron-T 23 mm f/2 ASPH.
(equivalent to 35 mm in 35 mm format)

Leica Summilux-TL 35 mm f/1.4 ASPH.
(equivalent to 50 mm in 35 mm format)
Available spring 2016.

Leica APO-Macro-Elmarit-TL 60 mm f/2.8 ASPH.
(equivalent to 90 mm in 35 mm format)
Available late 2016.



The 35 mm and 60 mm lenses are available in black and silver.

LENSES WITH VARIABLE FOCAL LENGTHS: MAXIMUM FLEXIBILITY

The three compact and lightweight zoom lenses cover a spectrum of focal lengths ranging from 17 to 200 mm (equivalent in 35 mm format) and allow you to be flexible in terms of responding to any photographic situation. Pictures with very fine details and rich contrast from corner to corner are captured quickly, spontaneously, and very quietly. At the same time, the Vario-Elmar-T unites the most important focal lengths, the Super-Vario-Elmar-T is ideal for photography from unusual angles, while the APO-Vario-Elmar-T is the perfect choice for getting close to your subject and isolating subjects from the background. No matter which Leica T zoom lens you decide on, you are choosing unrivaled Leica quality.

Leica Super-Vario-Elmar-T 11–23 mm f/3.5–4.5 ASPH.
(equivalent to 17–35 mm in 35 mm format)

Leica Vario-Elmar-T 18–56 mm f/3.5–5.6 ASPH.
(equivalent to 28–85 mm in 35 mm format)

Leica APO-Vario-Elmar-T 55–135 mm f/3.5–4.5 ASPH.
(equivalent to 80–200 mm in 35 mm format)



LEICA **SL-ADAPTERS**

Access to lenses from other Leica systems.



The Leica SL is dedicated to conserving value in every respect. A maxim that is reflected in its approach to cross-system compatibility. As proof of this, a range of adapters provide access to an entire range of legendary Leica lenses. For instance, you can take unlimited advantage of the exceptional performance of Leica S- and M-Lenses. In the case of Leica M-Lenses, 6-bit coding preserves all functions, such as exposure metering, automatic aperture priority exposure, and manual setting, to their full extent. Thanks to the Leica R-Adapter L, even the extensive range of proven R-Lenses can be used on the Leica SL.

S-ADAPTER L

Leica S-Lenses are in a class of their own. A class of exceptional performance you can experience to the fullest, thanks to your Leica SL and the S-Adapter L. The extraordinarily fast S-Lenses are a testament to 100 years of expertise and experience in lens design and precision manufacturing processes that accept only minimal tolerances. They combine traditional Leica quality with state-of-the-art technology that pushes the limits of the technically possible. S-Lenses already achieve close to maximum performance at maximum aperture, quite independent of the camera-to-subject distance. In every situation, whether in the studio or on location.



M-ADAPTER T

Just like the lenses, the adapters from the Leica T camera system can be used for the Leica SL: The M-Adapter T unlocks the door to the world of M-Photography and offers access to lenses that rank among the best in the world. Lenses created to give their all in any photographic situation, however extreme, and discreetly deliver maximum performance. With their extreme speed, which, in the case of the Noctilux-M 50 mm f/0.95 ASPH., exceeds the perceptive powers of the human eye, M-Lenses are impressive on account of their ultimate imaging quality even in low light.



R-ADAPTER L

The Leica SL-System conserves value. In fact, existing values are redefined by the R-Adapter L. Your R-System lenses benefit from the modern technology of the Leica SL and are out to set new records. Now, the specially formulated glasses and perfectly ground, painstakingly polished, elaborately coated, and precisely centered elements of Leica R-Lenses can reveal the full potential of their imaging qualities in combination with the latest camera technology.



LEICA SL-ADAPTERS

LEICA S-ADAPTER L

Order no. 16 075 / Available mid-2016.

Compatible Leica S-System lenses:

Super-Elmar-S 24 mm f/3.5 ASPH.
Vario-Elmar-S 30–90 mm f/3.5–5.6 ASPH.
Elmarit-S 30 mm f/2.8 ASPH.
Elmarit-S 30 mm f/2.8 ASPH. CS
Summarit-S 35 mm f/2.5 ASPH.
Summarit-S 35 mm f/2.5 ASPH. CS
Elmarit-S 45 mm f/2.8 ASPH.
Elmarit-S 45 mm f/2.8 ASPH. CS

Summarit-S 70 mm f/2.5 ASPH.
Summarit-S 70 mm f/2.5 ASPH. CS
Summicron-S 100 mm f/2 ASPH.
TS-APO-Elmar-S 120 mm f/5.6 ASPH.
APO-Macro-Summarit-S 120 mm f/2.5
APO-Macro-Summarit-S 120 mm f/2.5 CS
APO-Elmar-S 180 mm f/3.5
APO-Elmar-S 180 mm f/3.5 CS



The central shutter function of CS lenses is not supported by the Leica SL.

LEICA M-ADAPTER T

Order no. 18 771

Compatible Leica M-System lenses:

Super-Elmar-M 18 mm f/3.8 ASPH.
Summilux-M 21 mm f/1.4 ASPH.
Elmarit-M 21 mm f/2.8
Elmarit-M 21 mm f/2.8 ASPH.
Super-Elmar-M 21 mm f/3.4 ASPH.
Summilux-M 24 mm f/1.4 ASPH.
Elmarit-M 24 mm f/2.8 ASPH.
Elmar-M 24 mm f/3.8 ASPH.
Summicron-M 28 mm f/2 ASPH.
Elmarit-M 28 mm f/2.8 Leitz
Elmarit-M 28 mm f/2.8
Elmarit-M 28 mm f/2.8 ASPH.
Summilux-M 35 mm f/1.4
Summilux-M 35 mm f/1.4 ASPH. (till 2010)
Summilux-M 35 mm f/1.4 ASPH. (from 2010)
Summicron-M 35 mm f/2
Summicron-M 35 mm f/2 ASPH.
Summarit-M 35 mm f/2.5
Noctilux-M 50 mm f/0.95 ASPH.
Noctilux-M 50 mm f/1
Noctilux-M 50 mm f/1.2
Summilux-M 50 mm f/1.4
Summilux-M 50 mm f/1.4 ASPH.
Summicron-M 50 mm f/2 Leitz
Summicron-M 50 mm f/2
APO-Summicron-M 50 mm f/2 ASPH.
Summarit-M 50 mm f/2.5
Elmar-M 50 mm f/2.8
Summilux-M 75 mm f/1.4
APO-Summicron-M 75 mm f/2 ASPH.
Summarit-M 75 mm f/2.5
Summicron-M 90 mm f/2 Leitz

APO-Summicron-M 90 mm f/2 ASPH.
Summarit-M 90 mm f/2.5
Tele-Elmarit-M 90 mm f/2.8
Elmarit-M 90 mm f/2.8
Macro-Elmar-M 90 mm f/4
Macro-Adapter-M with Macro-Elmar-M 90 mm f/4
Elmarit-M 135 mm f/2.8
APO-Telyt-M 135 mm f/3.4
Tele-Elmar-M 135 mm f/4
Tri-Elmar-M 16–18–21 mm f/4 ASPH.
Tri-Elmar-M 28–35–50 mm f/4 ASPH.
Summilux-M 28 mm f/1.4 ASPH.
Summarit-M 35 mm f/2.4 ASPH.
Summarit-M 50 mm f/2.4
Summarit-M 75 mm f/2.4
Summarit-M 90 mm f/2.4



LEICA R-ADAPTER L

Order no. 16 076 / Available fall 2016.

Compatible Leica R-System lenses:

Super-Elmarit-R 15 mm f/2.8 ASPH.
Fisheye-Elmarit-R 16 mm f/2.8
Elmarit-R 19 mm f/2.8
Super-Angulon-R 21 mm f/3.4
Super-Angulon-R 21 mm f/4
Elmarit-R 24 mm f/2.8
Elmarit-R 28 mm f/2.8
PC-Super-Angulon-R 28 mm f/2.8
PA-Curtagon-R 35 mm f/4
Elmarit-R 35 mm f/2.8
Summicron-R 35 mm f/2
Summilux-R 35 mm f/1.4
Summicron-R 50 mm f/2
Summilux-R 50 mm f/1.4
Macro-Elmarit-R 60 mm f/2.8
Summilux-R 80 mm f/1.4
Elmarit-R 90 mm f/2.8
Summicron-R 90 mm f/2
APO-Summicron-R 90 mm f/2 ASPH.
Macro-Elmar-R 100 mm f/4
APO-Macro-Elmarit-R 100 mm f/2.8
Elmarit-R 135 mm f/2.8
Elmar-R 180 mm f/4
APO-Telyt-R 180 mm f/3.4
Elmarit-R 180 mm f/2.8
APO-Elmarit-R 180 mm f/2.8

APO-Summicron-R 180 mm f/2
Telyt-R 250 mm f/4
APO-Telyt-R 280 mm f/4
Telyt-R 350 mm f/4.8
MR-Telyt-R 500 mm f/8
APO-Telyt-R 280 mm f/2.8
APO-Telyt-R 400 mm f/2.8
APO-Telyt-R 400 mm f/4
APO-Telyt-R 560 mm f/4
APO-Telyt-R 560 mm f/5.6
APO-Telyt-R 800 mm f/5.6
Telyt-S 800 mm f/6.3
Vario-Elmar-R 21–35 mm f/3.5–4 ASPH.
Vario-Elmar-R 28–70 mm f/3.5–4.5
Vario-Elmarit-R 28–90 mm f/2.8–4.5 ASPH.
Vario-Elmar-R 35–70 mm f/3.5
Vario-Elmar-R 35–70 mm f/4
Vario-Elmarit-R 35–70 mm f/2.8 ASPH.
Angénieux-Zoom 45–90 mm f/2.8
Vario-APO-Elmarit-R 70–180 mm f/2.8
Vario-Elmar-R 70–210 mm f/4
Vario-Elmar-R 75–200 mm f/4.5
Vario-Elmar-R 80–200 mm f/4.5
Vario-Elmar-R 80–200 mm f/4
Vario-Elmar-R 105–280 mm f/4.2



LEICA PL-ADAPTER L

Order no. 11 415

Enjoy all the advantages of the exceptional Leica Summilux-C and Leica Summicron-C lenses when shooting your own movies – with the Leica PL-Adapter L.

Leica Summilux-C lenses

Summilux-C 16 mm T1.4
Summilux-C 18 mm T1.4
Summilux-C 21 mm T1.4
Summilux-C 25 mm T1.4
Summilux-C 29 mm T1.4
Summilux-C 35 mm T1.4
Summilux-C 40 mm T1.4
Summilux-C 50 mm T1.4
Summilux-C 65 mm T1.4
Summilux-C 75 mm T1.4
Summilux-C 100 mm T1.4
Summilux-C 135 mm T1.4

Leica Summicron-C lenses

Summicron-C 18 mm T2.0
Summicron-C 21 mm T2.0
Summicron-C 25 mm T2.0
Summicron-C 29 mm T2.0
Summicron-C 35 mm T2.0
Summicron-C 50 mm T2.0
Summicron-C 75 mm T2.0
Summicron-C 100 mm T2.0
Summicron-C 135 mm T2.0



LEICA SL-SYSTEM EXTRAS

An impressive system.



HANDGRIP (Figure 01)

Order no. 16 063 / Available spring 2016.

Perfect grip characteristics, now for portrait format exposures, too – even when shooting one-handed: the handgrip for the Leica SL. An additional shutter release and a joystick control for autofocus ensure ideal ergonomics and safe handling. The handgrip also offers space for an extra camera battery.

HANDGRIP STRAP (Figure 02)

Order no. 16 004

The practical handgrip strap is a useful addition to the handgrip for the Leica SL and ensures an even steadier and safer grip on the camera. The padded strap is comfortable and robust.

LEATHER CARRYING STRAP WITH SHOULDER PAD (Figure 03)

Order no. 14 455

The black, saddle-leather strap has an extra-broad neckpiece to ensure comfort when carrying the camera. The inner face is lined with micro-velour to ensure that the camera does not slip off your shoulder.

SF 64 FLASH UNIT (Figure 04)

Order no. 14 623 / Available early 2016.

The SF 64 is one of the world's most powerful compact flash units. It is impressive on account of its high-quality construction and finish, as well as its numerous functions. Its high guide number of 64 at ISO 100/21° and a motor zoom for excellent flash coverage with focal lengths from 24 to 200 mm illuminates every subject. It also finds favor with its rotatable, illuminated color touch-screen display, a USB interface, a vertical (–9/+90°) and a horizontal (300°) reflector, and smart dual-reflector technology for uniform light distribution.

SF 40 FLASH UNIT

Order no. 14 624

Although the SF 40 flash unit is quick and easy to use, it offers a full range of features: wireless TTL mode, high-speed sync, and a nine-stage video lighting function. A guide number of 40 for focal lengths from 24 to 105 mm and a compact size make it an ideal companion when traveling light.

POLARIZATION FILTER (Figure 05)

Order no. 13 052

Expand your creative horizons when taking pictures: the use of a polarization filter, for example, suppresses reflections from shiny surfaces and

increases the saturation of greens or the blue of the sky against white clouds. Photographers who love to experiment will find no end to their enjoyment in terms of playing with polarized light and colors.

UVA II PROTECTION FILTER (Figure 06)

Order no. 13 042

The UVA II filter reliably protects valuable lenses against dust and dirt and keeps the front element from becoming damaged.

ND FILTER (Figure 07)

Order no. 13 059

The gray, neutral density (ND) filter from Leica extends your creative horizons. It lets you lengthen exposure times to experiment with motion blur and, for example, soften the motion of flowing water or clouds. It also makes moving persons or vehicles vanish from the scene when shooting with longer exposure times.

SCREEN PROTECTION FILM

Order no. 16 046

The screen protection film is made in Germany and provides effective protection against scratches and dirt that could potentially damage the touch screen. In addition to this function, the film also significantly reduces glare

and allows pictures to be viewed with high contrast and clarity in bright light without any annoying reflections. The set also includes a replacement film, an optical cleaning cloth, and a screen cleaning pad.

AUDIO ADAPTER AA-SCL4

Order no. 16 067 / Available spring 2016.

HDMI CABLE, TYPE A, 1.5 M

Order no. 16 072

REMOTE RELEASE CABLE RC-SCL4

Order no. 16 070

REPLACEMENT BATTERY BP-SCL4

Order no. 16 062

LEICA SL-SYSTEM

Technical Data.

Camera Type	LEICA SL (Typ 601)		Order No. 10 850
Lenses			
Lens Mount	Leica L-Mount		
Applicable lenses	Leica Vario-Elmarit-SL 24–90 mm f/2.8–4 ASPH.	Order No. 11 176	
	Leica APO-Vario-Elmarit-SL 90–280 mm f/2.8–4	Order No. 11 175	
	Leica Summilux-SL 50 mm f/1.4 ASPH.	Order No. 11 180	
	Lenses from the Leica T Camera System, Leica M-Lenses with Leica M-Adapter T, Leica S-Lenses with Leica S-Adapter L, Leica R-Lenses with Leica R-Adapter L and Leica Cine lenses with Leica PL-Adapter L.		
Sensor			
Type	24-MP-CMOS-Sensor (24 × 36 mm)		
Resolution	Full Frame (24 MP): 6000 × 4000 Pixel, APS-C (10 MP): 3936 × 2624 Pixel		
Filter	IR-Filter, no Lowpass Filter		
ISO	ISO 50–ISO 50000		
Sensor Cleaning	Provided		
Processor			
Type	Leica Maestro II series		
Internal RAM	2 GB: 33 DNGs or 30 JPEGs and DNGs		
Image			
Image Data Format	JPEG, DNG		
Colordepth	14 bit (DNG), 8 bit (JPEG)		
JPEG Color Space	Adobe RGB, ECI RGB, sRGB		
Motion			
File Format	MP4, MOV		
Resolution	4K (4096 × 2160) @ 24 fps; 4K (3840 × 2160) @ 25 and 30 fps; 1080 @ 24, 25, 30, 50, 60, 100 and 120 fps; 720 @ 24, 25, 30, 50, 60, 100 and 120 fps		
Bitrate	8 bit (recording); 10 bit (HDMI not recording)		
Color sampling	4:2:2/10 bit (HDMI only); 4:2:0/8 bit (recording on SD card)		
Video	V-Log L gamma selectable		
Audio	Manual/Auto; Stereo microphone, 48 kHz, 16 bit; Wind elimination		
Audio external via Audio-Adapter	Audio-In (3.5 mm phone jack), Audio-Out (3.5 mm phone jack)		
Movie Length	Max. duration: 29 min, Max. size: 4 GB		
EVF			
Resolution	SXAG, 4.4 MP		
Size	0.66"		
Eye Point	20 mm		
Field of View	37°		
Magnification	× 0.80 (with 50 mm lens at infinity, –1 dpt)		
Frame coverage	100 %		
Diopter correction	–4 to +2		
Eye Sensor	Yes		

Live View	Operating Modes: Video- and Photo-Live-View separated; Frame rate: up to 60 fps; Exposure simulation available, Optional information: Focus Peaking, Histogram, Clipping/Zebra, Level, Grid Overlay (3×3, 6×4), Aspect Ratio (1.33:1; 1.66:1; 1.78:1; 1.85:1; 2.35:1; 2.4:1), Safe Area (80 %; 90 %; 92.5 %; 95 %)
Storage	SD 1 slot (UHS II) with maximum writing speed 100 MB/s, SD 2 slot (UHS I) with maximum writing speed 30 MB/s
Focussing	
Type	Contrast AF
Focus Modes	AF-S (focus priority), AF-C (shutter priority), MF, Touch-AF
AF Modes	Static, Dynamic (tracking), Auto (face detection)
AF Size	Point, Field, Zone (9 Fields)
AF Steps	37 or 49 Fields
AF Assist Lamp	Built in
Exposure	
Exposure Modes	Program Mode (P), Shutter speed priority mode (T), Aperture priority mode (A) and manual mode (M)
Exposure Metering Modes	Center weighted, Multi zone, Spot
Exposure Compensation	±3 EV in 1/3 or 1/2 EV-steps
Exposure Bracketing	3/5/7 images in 1/2/3 aperture steps; additional direct JPEG-HDR
White Balance	Preset Auto, Daylight 5200 K, Cloudy 6000 K, Shade 7000 K, Tungsten 3200 K, HMI 5600 K, Fluorescent warm 4000 K, Fluorescent cool 4500 K, Flash 5400 K, Greycard, Manual color temperature 2000 K to 11500 K
Shutter	
Type	Focal plain shutter
Drive Modes	Single, Continuous slow S (4 fps), Continuous medium M (7 fps), Continuous fast F (11 fps), Self timer 2s, Self timer 12s, Interval, Exposure Bracketing, Time exposures up to 30 min
Shutter speed	1/8000 s to 60s, time exposures up to 30 min, Max. frame rate 11 fps,
Warranty	2 years or 200,000 releases
Flash	
Interface	Standard X-jack, Hot shoe with Sync. and TTL-Mode contacts
X-Synchronization	1/250 s
Wi-Fi	Built in, IEEE 802.11 b/g/n (2.5GHz)
GPS	Built in, Automatic time and date, Sensitivity < 1°
Power supply	Rechargeable Lithium-Ion battery, Nominal voltage 8.4 V, Capacity at least 1860 mAh; Lifetime per charge (CIPA): approx. 400 shoots; Charging time: approx. 180 min; Charger: 100–240V 50/60 Hz 0.25 A with adapters
Touch Screen	2.95" Touch Back light LED with Anti-fingerprint and Anti-scratch coating; 1.04 Mio. pixels; Format 3:2; View angle: 170°; Colors: 16 Million; Frame coverage: 100 %
Top Display	1.28" highly reflective monochrome LCD; 128×128 dots; View angle 120°; Anti-fingerprint coating
Housing	
Material	Milled Aluminium
Dust/Spray water sealing	Provided
Interfaces	USB 3.0 Micro Type B; HDMI Type A; Multi connector adapter for Audio-Out 3.5 mm/Audio-In 3.5 mm; Multi Connector cable release; ISO accessory shoe with center and control contacts for flash units; Standard X-jack; Multifunctional interface in baseplate for optional handgrip
Tripod threat	A 1/4 DIN 4503 (1/4") with anti-twist locking pin
Dimensions/Weight	147×104×39 mm (W×H×D)/approx. 771/847 g (without/with battery)
Working conditions	Approx. 0°–40 °C, max. 85 % humidity
Scope of delivery	Camera body, Camera strap, Lens mount cap, Battery, Battery Charger with international adapter, USB 3.0-cable, Manual, Warranty Card, Leica Lens cleaning tissue
Software	Remote Control (USB): Leica Image Shuttle SL; Remote Control (Wi-Fi): Leica SL app (Android/iOS)



© 2015 Leica Camera AG | We reserve the right to make changes in the construction, features, and ranges without advance notice | Concept and design: Geometry Global, Frankfurt | Product photography: Alexander Göhr and berndEBSen photography | Picture of Eisenmarkt 2015: Günter Osterloh | Brochure order no.: German 25 182 | **English (US) 25 183** | French 25 184 | Italian 25 185 | Leica Camera AG | Am Leitz-Park 5 | 35578 WETZLAR | GERMANY | Phone +49-6441-2080-0 | Fax +49-6441-2080-333 | www.leica-camera.com

LEICA SL-SYSTEM OVERVIEW

LEICA SL



LEICA SL-LENSES



LEICA VARIO-ELMARIT-SL 24-90 mm f/2.8-4 ASPH.
LEICA APO-VARIO-ELMARIT-SL 90-280 mm f/2.8-4
LEICA SUMMILUX-SL 50 mm f/1.4 ASPH.

LEICA T/TL-LENSES



LEICA SUMMICRON-T 23 mm f/2 ASPH.
LEICA SUMMILUX-TL 35 mm f/1.4 ASPH.
LEICA APO-MACRO-ELMARIT-TL 60 mm f/2.8 ASPH.
LEICA SUPER-VARIO-ELMARIT-T 11-23 mm f/3.5-4.5 ASPH.
LEICA VARIO-ELMARIT-T 18-56 mm f/3.5-5.6 ASPH.
LEICA APO-VARIO-ELMARIT-T 55-135 mm f/3.5-4.5 ASPH.

LENS ADAPTERS



EXTRAS



OTHER ACCESSORIES
_ Audio Adapter AA-SCL4
_ HDMI cable, Type A, 1.5 m
_ Remote release cable RC-SCL4
_ Replacement battery BP-SCL4



DAS WESENTLICHE.

Leica Camera AG | Am Leitz-Park 5 | 35578 WETZLAR
GERMANY | Phone +49-6441-2080-0
Fax +49-6441-2080-333 | www.leica-camera.com