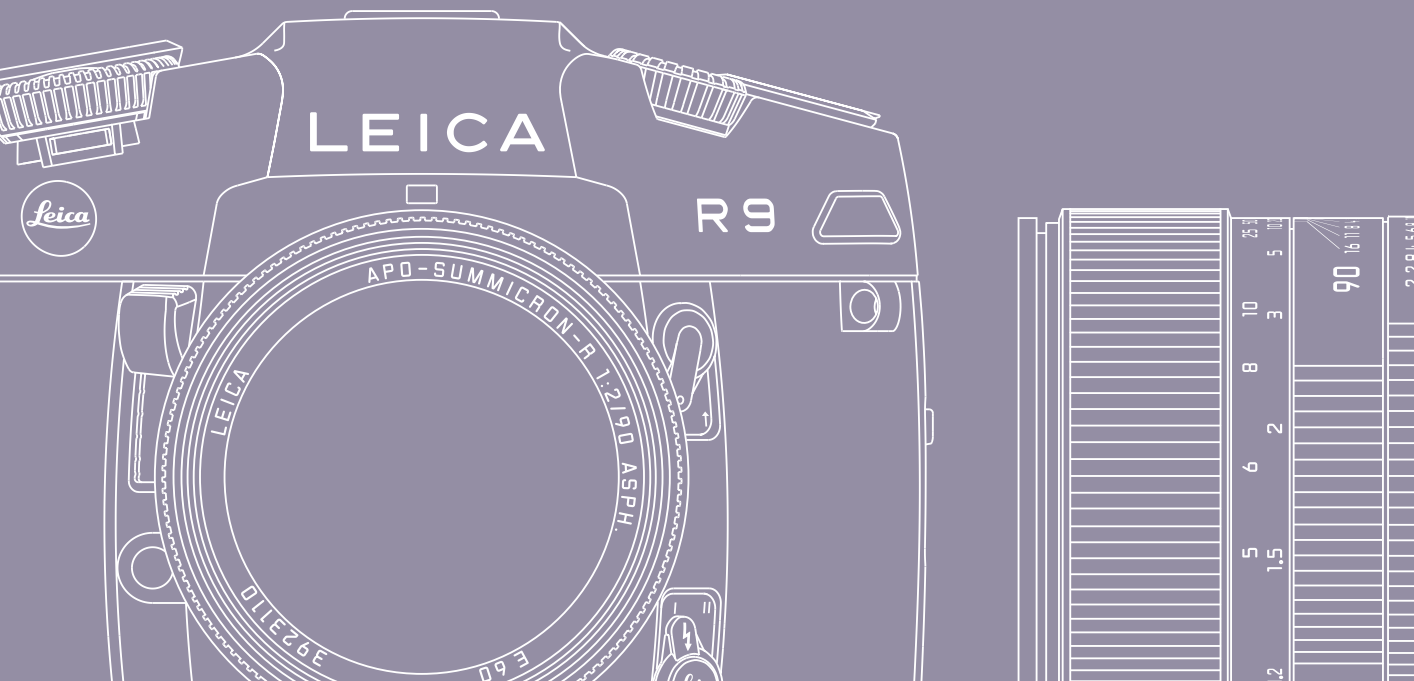
LEICA R9

A precision camera – 28 high performance lenses




LEICA

Craftsmanship for the eye

A really skilled photographer can use any camera to take pictures that are reasonably good. However, for outstanding photographs that fully satisfy his own standards of quality, he needs a tool that functions at least as accurately as he or she does. Leica single lens reflex cameras enable the photographer to execute creative ideas confidently in all situations. Because every Leica is a precision instrument, manufactured by competent hands with great dedication and scrupulous accuracy. The Leica R system embodies more than a hundred years of optical and mechanical experience, combined with the most modern manufacturing technology and that very special craftsmanship that made Leica cameras and lenses become legendary. And so it is that the Leica Company remained a craft shop in the best sense of the word. The extremely high level of refinement that has now been achieved with the LEICA R9 substantiates the philosophy of valuing the quality of the products and the greatest possible benefit for the photographer above everything else.

Eyes for details

Photography thrives on the creative freedom of photographers, and that freedom does not like to be encumbered by complicated technology. Leica recognized this fact a long time ago by concentrating on what is essential. The Leica single lens reflex system too, is guided by this policy, not cramming every possible feature into the camera, only those features that make good sense – at the Leica level of excellence. Special attention was paid, for instance, to the photographer's freedom to exercise complete control. The photographer positions the plane of sharpness by manual focusing. Furthermore, the uniquely brilliant viewfinder enables him or her to evaluate the depth of field and the cropping. This approach now distinguishes the LEICA R9 as a long-lasting masterpiece. With mechanical precision down to the finest details, innovative optics and intelligently thought-out electronics, it is designed to implement your ideas with the highest possible photographic quality. Into brilliant pictures even at the most difficult light conditions, controlled efficiently by automatic features – or manually controlled by you. With functional elements that can still be operated intuitively. This opens all the possibilities for spontaneous, individualized creativity. And with it, flexibility, freedom, and not least the great pleasure of working with a superbly unique camera.







Auspicious interplay

The fascination of the name Leica is rooted as much in the superb mechanisms of the camera as it is in the proverbial precision and quality of its legendary lenses. And with the LEICA R9 too, the entire spectrum of R lenses developed since 1965 is applicable, supplemented by our latest designs in the fields of wide-angle- and zoom lenses. R lenses and the LEICA R9 form a system that is ready for use immediately and that functions dependably. Making it easy for you to create perfect pictures. Admittedly, this is a tall promise. But it is one that we can easily live up to, because decades of experience in the construction of cameras played a prominent part in the development of the LEICA R9, as did the wishes of numerous photographers. Great ease of operation made possible by technical know-how, comfortable handling through ergonomic styling : The success of this combination was eminently proven by the many successful field tests that the LEICA R9 has passed with flying colors. While many of its functions are performed mechanically, sensible electronics have been incorporated to enhance practical use in harmony with ingenious feature details. The LEICA R9 is a camera with many highlights. And one that you start using immediately.

“To work with the LEICA R9 means to explore the fascinating world of Leica R lenses. From macro photographs all the way to telephoto pictures. From brilliant slides to superb exhibition prints. To me, the joy of taking pictures is only complete with the Leica R system.”
Hanns-Peter Cohn, Chief Executive Officer of Leica Camera AG

LEICA R9 – arguments for much better pictures

Lenses of the very best kind
Thanks to its R bayonet, the LEICA R9 is compatible with virtually all R lenses made since 1965. Nearly all current Leica R lenses are equipped with ROM contacts, which establish specific communication between camera and lens, leading to perfect exposures.

Seeing more
With the high-eyepoint viewfinder you no longer need to press your eye against the eyecup in order to see the image clearly all the way into its corners. And all the important parameters are displayed optimally in the viewfinder : Shutter speed, aperture, operating mode, exposure metering mode and the exposure counter. An important feature for time exposures : An integrated shutter prevents light from reaching the film through the eyepiece. Eyeglass wearers will be especially pleased with the diopter compensation range from –2 to +2 in half steps, enabling the photographer to focus and expose with or without using the eyeglasses.

Flash tailored to the subject
The LEICA R9 provides you with three exposure options for flash photography. In addition to the fully automatic P mode and the selective flash mode F, it also features High Speed Synchronization. In combination with a HSS flash unit, it allows flash exposures with shutter speeds as high as 1/8000 s ! This enables you to make pleasing portraits even in daylight and at full aperture, without harsh contrasts.

Everything in view
The illuminated display on the back cover, in addition to the viewfinder, is an information center on the LEICA R9. It becomes activated as soon as the camera is switched on and the shutter release is touched. You then have a clear overview of all the current settings. Among other data, it shows the number of exposed pictures, film speed, exposure correction settings and battery condition. You can also correct the exposure in the multi-pattern metering mode. An LCD exposure counter on the top of the camera is permanently visible as long as the camera is switched on.

Precise exposure
Accurate exposure metering and control are prerequisites for successful photographs. The LEICA R9 features selective-, integral- as well as sophisticated multi-pattern exposure metering whose level can be changed by tenths of a step. The result : optimal harmonization with the various types of films. Metered value storage can be used with selective- and integral metering. The selected shutter speed and aperture combination is automatically stored when the shutter release button is pressed to the second pressure point. The various exposure modes enhance flexibility, quickness and not least, your creative freedom.

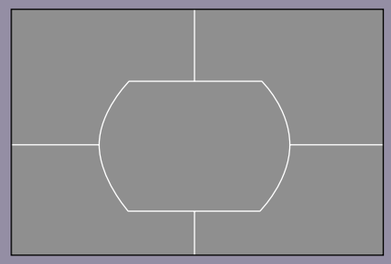
Everything under control
All operating elements of the LEICA R9 are positioned very conveniently and can be operated intuitively, without moving the eye away from the viewfinder. The rugged metal body fits very nicely in your hands and it weighs an ideal 790 g (less than 28 oz). Small details – important effects : The operating mode selector dial can now be locked in place to prevent unintended changes of your selected settings that may occur, for instance, in the carrying case. The eyecup too, is locked in place, so that it won't get lost.

The exposure : designed to master any situation

The LEICA R9 makes it easy for you to react appropriately to the most diverse lighting situations. This is assured by an extremely sensitive metering system with three specific exposure metering modes. Whether you opt for an intelligent, fully automatic determination of a balanced exposure or whether you wish to control this process yourself – the LEICA R9 provides you with a free choice.

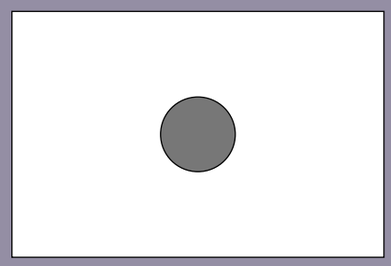
Multi-pattern metering

Multiple-pattern metering automatically analyzes the prevailing light conditions and derives an optimal exposure from the results. The brightness values of six different sections are measured and stored separately. The values are then assigned to preprogrammed subject types that are coupled with prescribed control instructions. The individual sections are then weighted and coordinated with the full subject area. The compelling result : exposures that are always well balanced, even in extreme contrast situations, above- and below average brightness conditions or unusually positioned main subjects. And since different film types require tailored exposure settings (short exposures for transparencies, ample exposures for negatives), the LEICA R9 provides an innovative solution : the exposure level of the multiple pattern exposure metering mode can be adjusted in tenths of a step to suit your individual wishes.



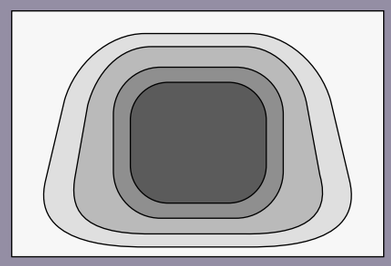
Selective metering

Selective metering with the LEICA R9 is likely to be the first choice for all those photographs that pose a genuine challenge : back-lighted situations or subjects with extreme contrasts. Selective metering covers a narrowly limited subject area. The exposure value determined by this precise metering method can be stored by gently pressing the shutter release button to the first pressure point and holding it there until you have found your optimal composition. The shutter speed or the aperture settings can, of course, still be changed, because the camera will automatically compensate the second setting to maintain the metered exposure value.



Integral metering

Integral metering is suitable primarily for balanced light situations. In this mode, the entire subject is center-weighted and metered – an optimal solution for subjects that are centered anyway. Integral metering is of practically universal application, you retain control of the exposure. That is why it is particularly appropriate for specific over-rides : over- or under-exposures by means of plus- or minus corrections. The over-ride switch can be actuated safely even while the eye is at the viewfinder.



The programs : ready for any situation

Versatile photographers require a camera that can master any subject – after all, no two subjects are alike. The exposure control of a camera too, needs this flexibility. That is why the LEICA R9 offers four different operating modes, all of which can readily be combined with the three metering methods. Whether you employ one of the user-friendly automatic modes or a very personal setting is entirely up to you. The fact that the operating mode selector dial can be locked ensures that your setting will be retained, so that you can start making exposures in the selected mode at any time.

P – Variable automatic program mode Many attractive subjects require a quick reaction. Those are perfect situations for the variable automatic program mode of the LEICA R9, because it spontaneously and instantly makes the correct exposure settings. Once you have made the basic setting with the shutter speed dial on the neutral position P (=30), for instance, every subject is immediately assigned an appropriate combination of shutter speed and aperture. But the variable automatic program mode is much more than a snapshot program : by turning the shutter speed dial, you can change the shutter speed and aperture combination established by the camera at any time to suit the desired pictorial effect. Thus the variable automatic program mode very conveniently takes care of freezing a fast-moving subject or deliberately reducing the depth of field. It is particularly easy to use the variable automatic program in conjunction with the multi-pattern metering. And the P-mode also lets you use automatic flash illumination – for a particularly well-balanced combination of flash- and ambient illumination.

A – Aperture priority automatic exposure control Depth of field is one of the most important creative elements in photography. While you concentrate on the choice of just the right aperture for your photograph, the aperture priority automatic exposure control of the camera sets the proper shutter speed. That enables you to choose : small aperture and great depth of field, as you would want it for landscape photography, for instance. Or a large aperture that makes the subject stand out clearly from the background, for example in portraiture. On the LEICA R9, you can use the preview lever to evaluate the depth of field directly through the viewfinder. And thanks to HSS (High Speed Synchronization) you can now use flash with all shutter speeds.

T – Shutter speed priority automatic exposure control Subjects in motion offer numerous creative possibilities. One of the technical conveniences for this purpose is the shutter speed priority automatic exposure mode of the LEICA R9. You can use it to determine the effect of your action shots. By pre-setting the shutter speed, for instance, you can opt for a sharp, frozen image of the subject, but you can also use it to create a dynamic unsharpness. The camera will automatically form the right aperture for the shutter speed you selected.

m – Manual operation When you are working under unusual light conditions and you wish to capture a very special mood, the manual setting of the LEICA R9 is the ideal solution. With this mode, you can set both the shutter speed as well as the aperture yourself, and you can change them in half steps. By using the selective metering mode, you can control the exposure very precisely.

Using flash : light does not equal light

The flash exposure control of the LEICA R9 enables you to achieve any desired lighting mood. It determines the particular individual flash intensity and automatically and precisely balances the flash with the surrounding ambient illumination. If you prefer, you can also make these settings manually.

Metering during the exposure Flash illumination – like daylight illumination – is metered through the lens. With dedicated flash units (SCA-3000/3002 Standard with SCA-3501-3502M3 Adapter or LEICA SF 20), this takes place in the center-weighted integral mode. You can, however, choose one of several modes in order to take advantage of different creative possibilities : The variable automatic program mode measures the ambient light and tailors the flash intensity to it in a pleasing manner. With the shutter speed priority- and the aperture priority automatic exposure control modes or in manual operation, you can preset the shutter speed or the aperture, respectively, and enter the corrections of the amount of flash for the desired pictorial effect at the SCA adapter or, in the case of the Metz 54 MZ3 flash unit, directly at that flash unit.

Metering before the exposure With the LEICA R9, flash exposure can also be metered before making the actual exposure. The metering in this case is selective, i. e. it is limited to the part of the subject outlined by the circle in the center of the viewfinder image. This makes it possible to tailor the flash illumination specifically to a particular detail of your subject. Flash brightness is metered by means of a pre-flash directed at the subject to be photographed. The result is shown in the over- and under-exposure reading in the back cover display and it can be corrected quickly by manually selecting the appropriate aperture. Brightness of the entire subject is subsequently measured in one of the three metering modes, and then the actual exposure is made. The selective flash mode F thus leads to perfectly balanced pictures in conjunction with an external flash unit.

High-speed flashes With its High Speed Synchronization (HSS) feature, the LEICA R9 permits super-fast flash exposures with all shutter speeds up to 1/8000 s (in conjunction with an HSS flash unit like the Metz Mecablitz 54 MZ-3 and Adapter SCA 3502 M3). By triggering numerous flashes in very fast succession, the effect comes very close to that of a constant light source that uniformly illuminates the entire image area. This makes it possible, for instance, to achieve a fill-flash effect in portraits being taken in sunshine with a wide-open aperture. The flash exposure is determined by means of a pre-flash with selective metering of the main subject. As long as the camera's electronics are activated, the result of the pre-exposure metering remains stored independently of the result of the ambient light metering, so that the desired cropping can be chosen freely after that measurement has been stored.

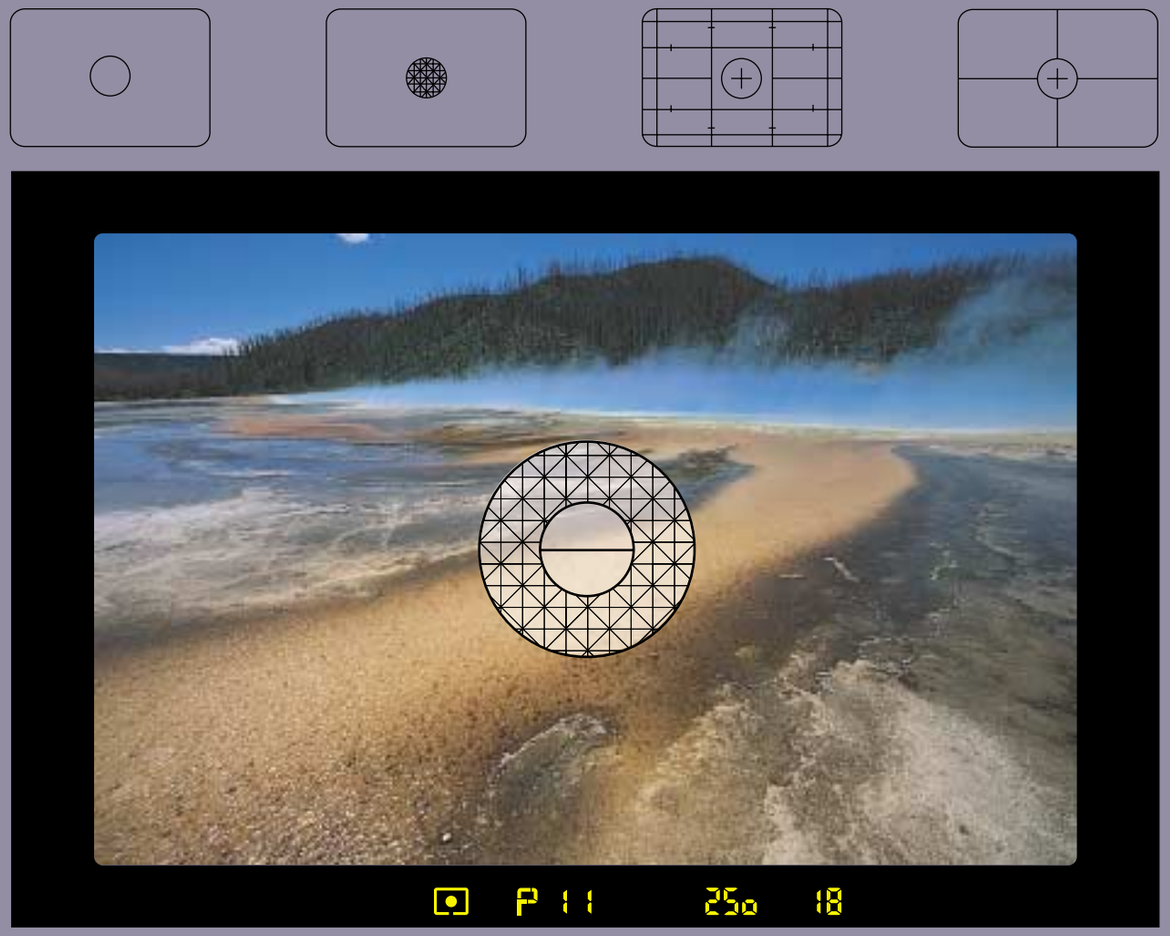
First or second shutter curtain You can always set the timing of flash synchronization yourself by using the respective lever position. This determines whether the flash is triggered at the beginning of the exposure as usual, or whether it is fired at the end of the exposure. These two modes can often render the very same subject quite differently. When the flash is triggered at the end of the exposure (i. e. synchronized with the second shutter curtain), moving subjects are depicted more realistically. This effect becomes all the more dramatic with long exposure times.

The viewfinder : everything bright and under control

The bright and contrasty viewfinder image showcases the imaging quality of Leica R lenses with full brilliance. And the viewfinder displays of the LEICA R9 provide you with all the relevant information at a glance.

Finding rather than searching A single LCD line below the viewfinder image of the LEICA R9 provides a clear, unobtrusive overview of, among other things and depending on the operating mode : exposure number, operating mode, metering method, light balance with manual exposure setting, flash readiness as well as the aperture-and-shutter-speed combination, etc. With zoom lenses that have a focal-length-dependent aperture range, the actual aperture is shown in the viewfinder display in steps within the respective aperture range. The high-eyepoint viewfinder itself is very impressive because of its absolutely brilliant and contrasty image. Even under unfavorable light conditions, it provides a bright, dimensional image of every subject and all its nuances, exactly as you see it. And it does so all the way into the corners of the focusing screen – without your having to press your eyes to the eyecup. The latter can be locked in place, so that it cannot become lost. Another practical feature is the stray light prevention by means of an integrated blind that can be used during time exposures to prevent light from entering through the eyepiece. A compelling argument on behalf of eyeglass wearers is the built-in diopter compensation of ±2 diopters, which allows the eyepiece to be adjusted exactly to the user's eyesight in half steps. Thus the photographer has the option of using the camera while wearing eyeglasses or not.

The LEICA R9 is normally equipped with an interchangeable universal focusing screen (ground glass screen with microprism ring and wedge). Four additional focusing screens are available as accessories : uniform ground glass screen, microprism focusing screen, uniform ground glass screen with grid divisions, clear glass screen with cross lines.



The back display : welcome to the info center

Even when your eye is not at the viewfinder, you can easily survey all the parameters. The LEICA R9 features an additional illuminated LCD display for this purpose on the back cover of the camera, which furthermore offers numerous programming possibilities.

Knowing rather than assuming The back cover display is the comprehensive information center of the LEICA R9. Once the camera is switched on, it shows, among other parameters, the exposure counter, including multiple exposures, battery condition (in two steps), exposure corrections, flash readiness and the exposure deviation in the F mode. Beyond that, the display shows the elapsed seconds during time exposures.

Exposures in the multi-pattern metering mode can not only be controlled by means of the exposure compensation switch and the ISO keys via the back cover display, they can also be adjusted individually. If you wish, the exposure level can be modified to suit your preference and programmed permanently in steps of one tenth of an f-stop (max. ±0.7 stop) in the multi-pattern metering mode and in accordance with the type of film being used.

In the multi-pattern metering mode, the exposure can be defined individually via the back cover display.

The film speed can also be read on the back cover display of the LEICA R9. Thanks to DX coding, you can begin to take pictures immediately after loading the film without risking exposure errors. Manual changes of the ISO setting are, of course, possible in order to satisfy individual preferences : for more intense color saturation in the case of slide films for instance, or for push-processing. The film speed read from the DX coding is shown permanently in the display.

The LEICA R9 is equipped with a DX code reader. Nevertheless, the ISO setting can be altered manually.

The self-timer The self-timer on the LEICA R9 can be set for two shutter release delays : 2 s and 12 s. The time remaining before the shutter is released is shown on the back cover display in the form of a count-down. A red LED on the front of the camera blinks while the self-timer is activated. When a remote release is not being used, the smaller interval of 2 s is definitely recommended for long exposure times, so that the camera will be moved as little as possible, and to avoid camera shake. This is most effective in conjunction with a tripod and pre-release of the mirror.

2 s or 12 s – with the self-timer too, you have a choice !

The film advance – you set the pace

Flexibility and comfort have also been emphasized in conjunction with the film advance. Whether fast and strong with the Motor-Drive, gently motorized with the Motor-Winder, or carefully controlled manually, there is no rigidly prescribed pace with the LEICA R9.

On the LEICA R9, the uncomplicated film advance starts with the insertion of the film cartridge, because you are spared the usually cumbersome threading. When a Motor-Winder or a Motor-Drive is being used, you can also decide whether the film tongue is to be rewound completely into the cartridge or not. With double exposures too, you have every option : you can, of course, avoid double exposures altogether – or you can implement them deliberately, because the LEICA R9 has an extra lever for this purpose that uncouples the film advance mechanism and accurately locks the film in its position.

Motor-Drive For photographs of fast action events in picture series, the powerful Motor-Drive with battery charger and capacity indicator is the right choice. 3 LEDs indicate the charge level of the battery. The Motor-Drive functions quietly, it exposes a fast 4.5 pictures per second and thanks to the integral wrist loop and the practical vertical release button, it is easy to operate. Its combination switch permits the setting of the exposure frequency as well as an automatic exposure series in 1 EV or 0.5 EV steps (bracketing). An electronic remote release or a Remote Control R8/R9 can be attached to the connecting socket of the Motor-Drive.

Motor-Winder The light-weight, compact and quiet Motor-Winder is an alternative to the Motor-Drive. It delivers a comfortable two exposures per second ; it conforms harmoniously to the shape of the camera body without adding much weight. Like the Motor-Drive, the Motor-Winder too, is equipped with a connector socket for remote control.

Manual film advance Naturally, manual film advance, with which you advance the film frame by frame by hand, is even quieter and battery-conserving at the same time. The obvious advantage : you can travel without an accessory and with lighter baggage.

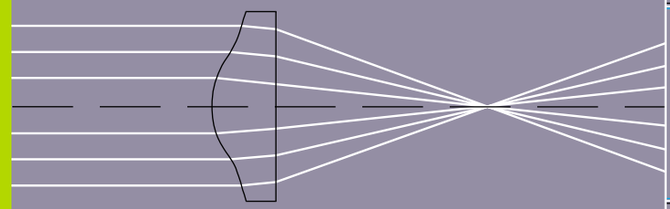
Maik Scharfscheer

Maik Scharfscheer, born in 1964, studied visual communication and photography. After spending two years as a freelance photographer in Paris, his living- and working base is now in Germany. His work for editors, advertising agencies and enterprises, particularly in the field of music, has taken him all over the globe. For Leica Camera AG he photographs the noted image campaign entitled “Hands”. He is one of the first photographers to test the new LEICA R9.

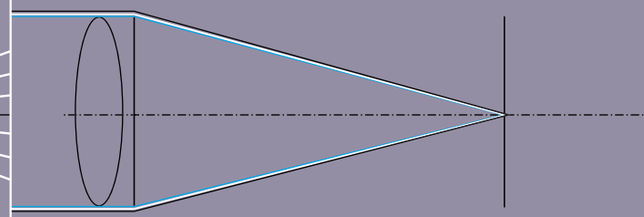
Simply sharp

Leica lenses are masterpieces, many of them of legendary fame. The quality of the optical glasses is the basis of this extraordinary reputation. Produced in accordance with special recipes, ground to clear perfection, meticulously polished, coated with extremely precise layers and repeatedly centered. In a synthesis of continually refined software and the long-time experience of highly specialized designers, Leica optics have been computed with the aid of electronic data processing systems since the fifties. The innovative lenses stand out because of their imaging quality, which always receives top ratings in specialized photographic magazine tests and which are unequalled internationally. And Leica photographers benefit from yet another exclusive advantage, a special feature that only Leica offers worldwide : The specific parameters of every current R lens (not just the general parameters of a given lens type) are measured individually and programmed into the ROM module of each lens, so that they can be communicated to the camera by means of appropriate contacts. This enables the LEICA R9 to conform precisely to true focal lengths and apertures in order, for instance, to control flash exposures accurately.

“Hands have fascinated me for a long time. They can express a lot with only small gestures. It is worthwhile to observe them closely. I photographed the hands of actor Erden Alkan with the R9. To me, this camera is a good-natured tool. It inspires and it gives you confidence, and that generates intensity in photography.” Maik Scharfscheer



Aspherical lens elements (ASPH.) have a surface that deviates from the standard spherical shape. Leica employs such lens elements to raise the imaging performance. They are extremely costly to manufacture, but they do provide high imaging performance and compact designs.



Apochromats (APO) Leica applies apochromatic correction to telephoto lenses in order to converge the color spectrum practically to a point, so as to achieve the highest sharpness, even at full aperture and across the entire image area.

Fascinating objectives …

Super-wide-angle lenses

NEW 15 mm f/2.8
LEICA SUPER-ELMARIT-R ASPH.

Compact super-wide-angle lens with a 111° diagonal angle of view, ideal for photographs of buildings and for pictures in tight rooms. Very low distortion, excellent detail rendition across the entire image area and high contrast distinguish this top-flight lens. The integral lens hood minimizes internal reflections and the built-in filter revolver contains four different filters.

19 mm f/2.8
LEICA ELMARIT-R

Very high contrast, perfect reproduction of the finest details and ample imperviousness to stray light even at full aperture emphasize the versatility of this wide-angle lens. Reportage, fashion, architecture and dramatic landscape perspectives are its strengths. A built-in filter revolver comes with four different filters.

24 mm f/2.8
LEICA ELMARIT-R

A lens for photographs that are impressive for unconventional perspectives but that do not necessarily give the impression that a super-wide-angle lens was used. Particularly suitable for spontaneous close-ups with a dynamic relationship between the main subject and its surroundings that results from the combination of a large angle of view, large aperture, and very good imaging performance, even at full aperture. Equipped with a lens hood and filter holder.

Standard wide-angle lenses

28 mm f/2.8
LEICA ELMARIT-R

Its outstanding rendition of fine structures and the rich contrast in the reproduction of contours, already at large apertures are the strengths of this popular wide-angle reportage lens.

28 mm f/2.8
LEICA PC-SUPER-ANGULON-R

This special lens allows perspective corrections (PC) by shifting the optical system by up to 11 mm from the axis in any direction. This makes it possible to eliminate converging lines, especially in interior- and in architectural photographs.

35 mm f/2
LEICA SUMMICRON-R

Compact all-around lens with low vignetting, minimal distortion and very good stray light prevention. Ideally suited for vivacious snapshots and a dimensional, natural rendition of ample subjects – in other words, whenever the use of a normal focal length would result in perspectives that are too tight. Integrated lens hood.

35 mm f/1.4
LEICA SUMMILUX-R

This lens is destined for reportage applications in extremely poor light conditions. It is impressive for its outstanding imaging performance with subjects that include strong contrasts, it yields a very good sharpness impression and it is also hardly affected by stray light. “Floating elements” produce an outstanding image reproduction, even in the near-focusing range. Integrated lens hood.

Standard lenses

50 mm f/2
LEICA SUMMICRON-R

This very compact and versatile lens is considered to be the standard for image quality in the 35 mm format. Its focal length of 50 mm makes creative compositions possible in the classical format, especially in near- and medium distance ranges. Integrated lens hood.

50 mm f/1.4
LEICA SUMMILUX-R

This newly computed, handy universal lens produces outstanding results with uniform performance across the entire image area, even under difficult light conditions and at large apertures. Thanks to its high speed, it renders fine details very clearly and with rich contrast at all apertures and distances. Integrated lens hood.

60 mm f/2.8
LEICA MACRO-ELMARIT-R

Very good image quality in the close-up range, great sharpness and excellent detail fidelity – the LEICA MACRO-ELMARIT-R is impressive, not only in macro photography, but also in all applications that require these strengths. Its practical focal length makes it a versatile alternative to 50 mm lenses.

Light telephoto lenses

80 mm f/1.4
LEICA SUMMILUX-R

This lens is predestined for lively portraits, personality studies and hand-held photography. It works with minimal vignetting, renders tonal values clearly and in fine nuances and it renders a uniform imaging performance across the full format – with very good reproduction of fine subject details. Integrated lens hood.

NEW 90 mm f/2
APO-SUMMICRON-R ASPH.

Reportage photography and portraiture are the principal applications of this very compact telephoto lens. An aspherical lens surface and optical glasses with anomalous partial dispersion lead to outstanding imaging performance, great sharpness and brilliant contrasts. That also makes it very easy to focus. It has an integrated lens hood that can be locked in place.

100 mm f/2.8
LEICA APO-MACRO-ELMARIT-R

With its high speed and high contrast and practically non-existent vignetting and distortion, this macro lens with apochromatic correction is ideal for portraits. The finest details are clearly differentiated in all images and at all distances. The special close-up attachment LEICA ELPRO 1:2–1:1 extends its reproduction ratio down to 1.1:1. Integrated lens hood.

… getting very close

Medium telephoto lenses

180 mm f/2
LEICA APO-SUMMICRON-R

Practically diffraction-limited imaging performance and outstanding color differentiation already at full aperture, plus perfect contrasts and flare-free rendition of the finest details – this lens, with its combination of shallow depth of field and outstanding image quality, opens many creative possibilities. Focuses down to 1.5 m (59 in), rotating and lockable tripod mount, integrated lens hood, filter drawer and eyelets for a carrying strap.

180 mm f/2.8
LEICA APO-ELMARIT-R

Perfect hand-held exposures require a lens like this one : peak performance already at full aperture, extremely high contrast, and clear rendition of the finest nuances. Additional plus points are its relatively low weight and extra smooth focusing by means of its internal focusing feature. Outstanding close-up range down to 1.5 m (59 in). Integrated lens hood.

280 mm f/4
LEICA APO-TELYT-R

Optimal contrast rendition across the entire image area, all the way to the outermost corners, already at full aperture, distortion-free and without vignetting. Closed down by one stop, using a tripod and mirror pre-release, even the finest details are reproduced clearly and without color fringes. Close-up range down to 1.7 m (67 in) ; in combination with the LEICA MACRO-ADAPTER-R it is superbly suited for an even closer range of 1.3 m (51 in). Integrated lens hood, filter drawer and eyelets for a carrying strap.

Flexible combinations

The LEICA APO-TELYT-R Module System covers the range of focal lengths from 280 to 800 mm, replacing heavy individual lenses with fixed focal lengths, making it particularly attractive for nature- and sports photographers. With a twist of the wrist, six different APO lenses of the very highest optical quality can be created from two lens heads and three extremely compact focusing modules. The result : uncommonly clear pictures with very high contrast and absolute detail- and color fidelity can be achieved where atmospheric disturbances and light haze or fog would otherwise reduce the image quality considerably. Because the smallest mechanical errors and weaknesses in this range can clearly diminish the performance, the Leica Module System is very sturdy, fabricated and assembled with extremely tight tolerances.

280/400 mm f/2.8
LEICA FOCUS MODULE

400/500 mm f/4
LEICA FOCUS MODULE

560/800 mm f/5.6
LEICA FOCUS MODULE

280/400/560 mm
LEICA APO-TELYT-R

280 mm f/2.8
LEICA APO-TELYT-R

400 mm f/4 LEICA APO-TELYT-R

560 mm f/5.6 LEICA APO-TELYT-R

400/560/800 mm
LEICA APO-TELYT-R

400 mm f/2.8
LEICA APO-TELYT-R

560 mm f/4 LEICA APO-TELYT-R

800 mm f/5.6 LEICA APO-TELYT-R

… and extremely variable

Wide-angle zoom lenses

NEW 21–35 mm f/3.5–4
LEICA VARIO-ELMAR-R ASPH.

This wide-angle zoom lens is very compact because it employs two aspherical surfaces, one of which is, for the first time, produced by grinding and polishing a concave surface. The image quality corresponds to that of lenses with equivalent fixed focal lengths : very high contrast, the finest details, neutral and saturated colors, very low sensitivity to stray light and uniform performance across nearly the entire image area at all distances. Blossom-shaped lens hood that can be stored on the lens in reverse position.

Standard zoom lenses

35–70 mm f/4
LEICA VARIO-ELMAR-R

This universal zoom lens covers all the classical focal lengths. The macro setting permits close-up exposures down to 26 cm (10 1/4 in), which corresponds to a reproduction ratio of 1:2.8. Contrast and image reproduction quality are at least comparable to those of lenses with equivalent fixed focal lengths. Because of its very good gradation of shadow areas and of highlights, this lens is advantageous for subjects with great lighting contrasts.

28–70 mm f/3.5–4
LEICA VARIO-ELMAR-R

The strength of this versatile lens is its uniform imaging performance across its entire focusing range. Those who like to take pictures in an unencumbered manner will find this compact and handy lens with its expanded zoom range to be the ideal travel companion.

Telephoto zoom lenses

70–180 mm f/2.8
LEICA VARIO-APO-ELMARIT-R

This apochromatically corrected zoom lens does not need to shy away from comparisons with lenses with equivalent fixed focal lengths : very high contrast and clear differentiation, even of filigree color gradations at all focal lengths and across the entire image area, all the way into the close-up range. Its application possibilities are virtually unlimited : stationary as well as moving subjects that require quick or careful changes of cropping. Integrated lens hood, tripod socket, eyelets for a carrying strap.

80–200 mm f/4
LEICA VARIO-ELMAR-R

Its compact dimensions, its light weight and its smooth focusing make this zoom lens an ideal travel companion. In combination with the 21–35 mm and the 35–70 mm Leica zoom lenses, both of which render nearly identical, uniform image quality, a practically continuous 1:10 range of focal lengths is achieved.

105–280 mm f/4.2
LEICA VARIO-ELMAR-R

Its range of focal lengths and its shortest focusing distance of 1.7 m (67 in) provide ample flexibility in the choice of subjects and in the range of applications for medium- and long telephoto distances. Because it can also be used in combination with Leica Extenders, this zoom lens is more than just a single lens : it is an optical system with outstanding imaging quality that has universal applications.

35–70 mm f/4 LEICA VARIO-ELMAR-R set at 35 mm

35–70 mm f/4 LEICA VARIO-ELMAR-R set at 70 mm

Useful items for your Leica R outfit

Practical accessories expand your latitude in picture composition, they open new fields of application, or they simply make picture-taking more pleasurable and more convenient.

LEICA SF 20 Flash Unit, with diffusion attachment (for 24–28 mm focal lengths), velvet pouch. **Metric guide number** 20, guide number for distances measured in feet : 66. **Functions** Exposures can be varied by ±3 f-stops, angle of illumination for focal lengths down to 35 mm, with a diffusion attachment down to 24 mm, TTL flash exposure metering with the LEICA R9, three automatic apertures in the A mode : 2.8/5.6/11 (they remain the same independently of the film speed), automatic switch-off after not being activated for 3 minutes. **Displays** All settings and corrections are shown in the illuminated LCD display. **Film speeds** in the A and m modes from ISO 25/15° to ISO 800/30°. **Power supply** Two lithium 3 V batteries, Type 123 A permit rapid flash sequences. **Dimensions** (W x H x D) 66 x 109 x 40 mm (2 5/8 x 4 1/4 x 2 1/8 in). **Weight** approximately 180 g (6.3 oz). **Order No. 14 414**

Right-Angle Finder For pictures taken from any position – be they pictures taken inconspicuously "around the corner" or pictures taken from a worm's eye perspective, looking into the finder from above. The viewfinder image can be switched to a 2 x magnification.
Order No. 14 300

Telescope Ocular LEICA TO-R With this ocular, Leica standard-, telephoto- or zoom lenses can quickly be converted into telescopes with different focal lengths. In combination with a 90 mm lens, it produces a magnification of 7.2 x ; with a 180 mm lens it creates a 14.4 x magnification. Focusing is performed with the lens' focusing mount.
Order No. 14 234

LEICA MOTOR-WINDER R8/R9 If you prefer to let your LEICA R9 advance the film, cock the shutter and rewind the film... The winder is attached to the base of the camera and it blends harmoniously with its style. Exposure series of up to 2 frames per second are possible. The Motor-Winder functions extremely quietly.
Order No. 14 209

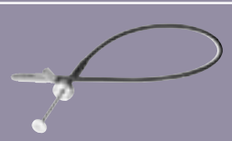
LEICA MOTOR-DRIVE R8/R9 A high-performance drive that forms an extraordinarily well-balanced unit in combination with the LEICA R9. Its perfect ergonomics, the integrated wrist strap and the two separate release buttons for vertical and horizontal exposures lend the unit an incomparable handiness in any position. It features the choice of single frame advance or exposure sequences of up to 2 or 4 1/2 frames per second. Automatic exposure series (bracketing) are also possible. Available as a set that includes a high-power battery pack and a universal battery charger.
Order No. 14 430 (set with a Euro cable)

Table-Top Tripod Compact, practical and stable. An indispensable accessory for long exposure times. With a 1/4" tripod thread and three legs that fold together.
Order No. 14 100

Large Ball-and-Socket Head with A 1/4 tripod thread, DIN 4503 (1/4").
Order No. 14 110

Ever-Ready Cases Made of elegant supple black leather.
Ever-ready case for a LEICA R9 with attached lens up to the size of the 28-70 mm f/3.5-4.5 LEICA VARIO-ELMAR-R.
Order No. 14 528

Ever-ready case for a LEICA R9 with attached lens and attached Leica Winder.
Order No. 14 527



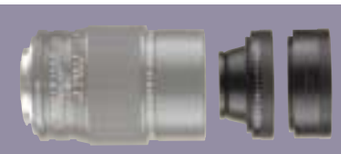
Cable Release, 25 cm (10") long, with locking screw. **Order No. 14 067**
Cable Release, 50 cm (20") long, with locking screw. **Order No. 14 076**

Remote Control R8/R9 Electronic control unit for remote release. Only works in conjunction with the Motor-Winder or the Motor-Drive. **Order No. 14 202**

Lens Accessories

Special equipment enables you to make first-class close-ups or extends the focal lengths of your lenses in an economical manner.

LEICA ELPRO 1:2-1:1 for 100 mm f/2.8 APO-MACRO-ELMARIT-R This close-up attachment, which was computed especially for this lens, enables you to achieve a reproduction ratio of up to 1.1:1.
Order No. 16 545



LEICA ELPRO Close-focusing attachments These two attachments significantly expand the focusing range of your lenses in the close-up range and they increase the imaging quality even further. They are available for the 50 mm f/2 LEICA SUMMICRON-R as well as for the no longer available 90 mm f/2.8 LEICA ELMARIT-R and the 135 mm f/2.8 LEICA ELMARIT-R.
LEICA ELPRO 1 **Order No. 16 541**, LEICA ELPRO 2 **Order No. 16 542**

LEICA MACRO-ADAPTER-R This intermediate ring increases the extension of R lenses by 30 mm (1 3/16"). Exposure metering at full aperture and the automatic iris diaphragm function are maintained. Aperture-priority automatic exposure control as well as manual control of shutter speed and aperture on Leica R models remain fully functional.
Order No. 14 299

LEICA APO-EXTENDER-R 2 x Suitable for Leica R lenses with focal lengths of 50 mm and higher and maximum apertures of f/2 or smaller. When used in conjunction with Leica APO lenses, the high imaging performance of the latter remains fully preserved. The LEICA APO-EXTENDER-R 2 x has a fully automatic diaphragm coupling so that it can be used without restrictions in the aperture priority automatic exposure control mode as well as the manual control mode.
Order No. 11 269

LEICA APO-EXTENDER-R 1.4 x This handy lens attachment lets you increase the focal length of a lens by a factor of 1.4 x. The respective closest focusing distance remains unchanged and the aperture is reduced by only one f-stop. Fully automatic iris diaphragm coupling. We will be pleased to inform you of the lenses that can be used with in combination with the LEICA APO-EXTENDER-R 1.4 x.
Order No. 11 249

LEICA PHOTAR Lenses and LEICA PHOTAR-ADAPTER-R Three special lenses for use with the LEICA PHOTAR-ADAPTER-R on the Focusing Bellows R BR 2. Corrected for magnified images. With their practically continuous magnification range of up to 18 x, you can explore the fascinating field of micro-photography.
LEICA PHOTAR-ADAPTER-R **Order No. 14 259**

Focusing Bellows R BR 2 Variable extension for stepless changes in the reproduction ratio. Integrated focusing carriage. The automatic iris diaphragm function of the lens is preserved, so that the aperture priority automatic exposure control mode as well as the manual control of shutter speed and aperture can be used. All Leica R lenses from 50 mm to 180 mm as well as the special LEICA PHOTAR lenses can be used on the Focusing Bellows.
Order No. 16 880

Technical Data

Camera	**LEICA R9**
Camera Order No.	anthracite : 10 090, black : 10 091
Camera type	Microprocessor-controlled, manually focusing 35 mm single lens reflex camera with multiple automatic exposure control modes. Accepts motorized accessories.
Lenses	**Attaching the lenses** Leica R bayonet with added electrical contacts ; all Leica R lenses as well as earlier LEICAFLEX SL/SL2 lenses that have subsequently been fitted with the R control cam can be used. **Lens System** Leica R lenses from 15 mm to 800 mm.
Exposure Metering	**Metering Modes : Selective Metering** 7 mm diameter metering field, outlined in the viewfinder ; can be used with all operating modes. **Multi-pattern metering** 6 fields, can be used with all operating modes ; the exposure level in the multi-pattern metering mode can be changed by ±0.7 EV. **Center-weighted integral metering** can be used with all operating modes. **Center-weighted integral TTL metering** for flash exposures with dedicated SCA-3000/3002 standard flash units. **Selective TTL test flash exposure metering** prior to the actual exposure with any flash unit. Open diaphragm metering with all Leica R lenses and accessories with automatic spring-back diaphragm coupling, otherwise working aperture metering. **Metered value storage** with selective- and integral metering in all automatic operating modes by pressing the shutter release button to the first pressure point. Indicated by the extinction of the respective metering mode symbol in the viewfinder. **Exposure Correction** ±3 EV (Exposure Values), can be set in half steps. **Automatic Exposure Series** Exposure series of 3 photographs each (for bracketing) can be made in conjunction with LEICA MOTOR-DRIVE R8/R9. The bracketing of the exposures can be set at 1/2 EV or 1 EV. **Metering Range** (at f/1.4 and ISO 100/21°) Selective metering : from 0.007 cd/m² to 125000 cd/m², i. e. from EV-4 to EV-20, or from 32 s at f/1.4 to 1/8000 s at f/11. Integral and multi-pattern metering : from 0.03 cd/m² to 125000 cd/m², i. e. from EV-2 to EV-20, or from 8 s at f/1.4 to 1/8000 s at f/11 ; warning signal in the viewfinder when the brightness is below the metering range. **Metering cells** Silicon photodiodes in the base of the camera and on the auxiliary mirror, protected against stray light. **Film Speed Range** Manual settings from ISO 6/9° to ISO 12500/42° (by adding exposure correction settings of up to ±3 EV, films with speeds ranging from ISO 0.8/0° to ISO 100000/51° can be exposed) ; DX codes from ISO 25/15° to ISO 5000/38° can be read. **Exposure Control Modes** m Manual setting of shutter speed and aperture stop based on the light balance in the viewfinder ; A Aperture priority automatic exposure control ; P Variable program automatic exposure control ; T Shutter speed priority automatic exposure control ; F Selective TTL flash exposure metering prior to the actual exposure. The operating mode selector dial is mechanically secured against unintended changes from any selected setting. A button located next to the dial serves to release it.
Flash Exposure Control	**Flash Unit Connection** via the accessory shoe with central- and control contacts (“hot shoe”), or via the standard flash connector socket. **Synchronization** Shutter speed setting for flash synchronization : X = 1/250 s ; optional triggering at the first or the second shutter curtain ; flash exposures can also be made at faster shutter speeds (1/350–1/8000 s) with flash units that have the HSS feature and a SCA-3502M3 Adapter. TTL control with center-weighted integral metering when dedicated flash units are used (i. e. SCA-3000/3002 Standard with SCA-3501/3502M3 Adapter or LEICA SF 20). Control by a computerized flash unit, based on relayed and adopted film speed information, exposure corrections and the selected aperture. All exposure control modes can be used, corresponding to different exposure levels and to the proportions of ambient light and flash illumination. Additional manual flash exposure corrections (±3 1/3 EV) are possible in the P fully automatic mode with optimized control for balanced exposures through increased portions of ambient light and reduced amounts of flash illumination as required by the situation. When ordinary flash units are used (like studio flash units, for instance) : selective TTL metering by means of a test flash triggered prior to the actual exposure, display of the metering results in the viewfinder and on the back cover LCD display. **Linear flash operation** Permits flash photography with very fast shutter speeds (1/350–1/8000 s). Can be used with the m or A exposure control modes. Possible only with appropriate flash units (that feature High Speed Synchronization options) and SCA-3502M3 Adapters. With the flash unit set for m HSS operation and the m operating mode set on the camera and the shutter speed set for a value slower than 1/250 s : determining the exposure of ambient light in accordance with the light balance in the viewfinder of the camera. Determination of the flash exposure based on guide number calculation (indication of the respective flash range on the display of the flash unit) by tailoring the shutter speed and/or aperture and/or flash output to the subject distance. With the flash unit in the TTL HSS operating mode (controlled for TTL fill-in illumination with -1 2/3 EV) and the camera set for the m or A operating mode, or automatically controlled shutter speed slower than 1/250 s : Determination of the flash exposure by triggering a pre-flash with spot metering of the subject. HI/LO Warning Signals appear when the range of the flash illumination is undercut or exceeded. With manually preset (m) or automatically set (A) shutter speeds of 1/250 s and longer : without preflash : normal TTL-controlled fill-in flash, with preflash : guide number-controlled fill-in flash according to calculated distance, based on the result of the TTL preflash. **Stroboscopic flash operation** (several flashes during an exposure) : Automatic tailoring of the shutter speed with dedicated and appropriately equipped flash units. **Flash metering cells** Stray-light-protected silicon photo-diodes in the base of the camera. **Film Speed Range for TTL Flash Exposure Metering** With SCA-controlled metering : ISO 12/12° to ISO 3200/36° ; with test flash metering : ISO 25/15° to ISO 400/27°. **Flash Readiness Signal** in the F operating mode : Blinking or constantly lit flash symbol in the viewfinder- and back cover LCD displays. Flash success control : Over- and Under-Exposure indication by means of HI- or LO signals in the camera’s viewfinder for approximately 4 s after the exposure. **Flash Exposure Correction** can be set in ±3 1/3 EV in 1/3 EV steps on SCA-3002 standard flash units or on the SCA-3501/3502M3 Adapter with TTL- and computer control in the m, A and T operating modes. Fixed -1 1/3 EV setting in the variable program automatic exposure control mode in normal light conditions ; additional manual corrections (±3 1/3 EV) are possible. On the LEICA SF 20 Flash Unit, ±3 EV corrections in 1/3 EV steps can be set in the TTL control mode, or 1 EV steps in the computer-controlled mode. **Automatic Adaptation of the Flash Reflector** with dedicated SCA-3000/3002 standard flash units with motorized zoom reflectors, SCA-3502M3 adapters and lenses equipped with electrical contacts.
Viewfinder System	**Prism** Built-in, fixed pentaprism. Eyepiece : High-eyepoint viewfinder. Diopter compensation of approximately ±2 diopters can be set at the viewfinder. Additional correction lenses of –3 to +3 diopters are available. Built-in viewfinder blind. **Interchangeable focusing screens** 5 models are available : Universal Screen (ground glass screen with micro-prism ring and wedge ; supplied with the camera) ; Uniform Ground Glass Screen ; Uniform Ground Glass Screen with Grid Divisions ; Microprism Screen ; Clear Glass Screen with Cross-Hairs. **Viewfinder Field** 23 x 25 mm, corresponds to 93 % of the image area (96 % vertical x 97 % horizontal), in conformance with the standardized 35 mm slide format. **Viewfinder Magnification** 0.75 x with a 50 mm lens set at infinity and at 0 diopter correction.
Displays	**In the viewfinder** LCD line below the viewfinder image with : Warning symbol when the subject brightness is below the metering range ; Symbol for exposure correction or for a manual film speed setting that is different from the DX value ; Symbols for the metering modes including a symbol for stored metering reading ; Flash symbol ; Flash readiness and flash control symbols ; Flash exposure correction signal ; Operating mode indicator ; Indicator of the aperture in half stops, including focal-length-dependent values on zoom lenses with variable maximum apertures ; Light balance for manual exposure setting, exposure corrections, automatic exposure series and metering flash function ; Shutter speed or over- and under-exposure signals, signals for time exposures or for incompatible camera settings ; Frame counter with indicator of multiple exposures, automatic exposure series and improperly loaded film. **Top Cover** Right side on top : LCD exposure counter, switched on and off with the camera (by means of the operating mode selector dial) ; **Front** LED for the selftimer. **Back Cover** Illuminated LCD field with : Signal for exposure correction or for manually set film speeds that differ from the DX value ; Symbol for manual or automatic film speed setting Film speed read from the DX code is displayed when the DX function is activated ; Battery condition symbol ; Flash symbol ; Numerical film speed display, exposure corrections, exposure adjustment with metering flash operation mode, time remaining when the selftimer is activated, over- and under-exposure signals and incompatible camera settings ; Frame counter with signal for multiple exposures, automatic exposure series and improperly loaded or (only in conjunction with the LEICA MOTOR-WINDER R8/R9 / LEICA MOTOR-WINDER R8/R9) rewound film.
Shutter and Shutter Release	**Shutter** Microprocessor-controlled metal leaf shutter that runs vertically. **Shutter Speeds** Manual settings : 16 s to 1/8000 s in half steps, B for time exposures of any duration, X = 1/250 s for flash synchronization. Automatic setting : stepless from 32 s to 1/8000 s with all operating modes. **Shutter Release** Three stages : Activation – metered value storage – release. Integrated standard thread for cable releases. **Selftimer** Two delay times : 2 s or 12 s, red LED signal while the timer is running down. **Hinged Mirror** Partially transmitting, with 17 coated layers (70 % reflection, 30 % transmission). **Mirror Pre-Release** By means of a separate switch, the shutter release button can be used to raise the mirror and to set the spring-back iris diaphragm of the attached lens to the working aperture without making releasing the shutter ; the shutter is released when the release button is pressed a second time.
Film Advance	**Loading the film** Easy and quick loading thanks to automatic threading. Manual **Film Advance** by means of the rapid film advance lever or motorized film advance with the LEICA MOTOR-WINDER R8/R9 (2 frames per second) or the LEICA MOTOR-DRIVE R8/R9 (can be set for 4 1/2 or 2 frames per second, or single frame advance). Window in the back cover for checking the film advance. Manual **Film Rewinding** with the folding rewind crank or motorized film rewinding with the LEICA MOTOR-WINDER R8/R9 or the LEICA MOTOR-DRIVE R8/R9. **Frame Counter** in viewfinder-, back cover-, and top cover LCD’s, resets itself automatically when the back cover is opened. **Multiple Exposures** Any number of multiple exposures can be made with the film kept firmly in place and without the frame counter advancing.
Camera Body	**Material** The top cover is a zinc die-casting, lacquered in black or in anthracite. The inner housing is made of aluminum, firmly attached to the aluminum tripod plate. The baseplate is made of fiberglass-reinforced polycarbonate that incorporates an aluminum tripod plate. **Stopping-Down Lever** for visual evaluation of the depth of field and for triggering the test flash. **Tripod Thread** A 1/4 (1/4”), in the tripod plate, secured against rotation by means of two steel inserts, according to DIN standard 4503 ; centered under the optical axis of the lens. **Back Cover** Illuminated LCD field for the display of various functions or operating status (see above). Window for checking the film type, speed and number of exposures stated on the film cartridge that has been inserted. Window for checking the film advance. **Operating Voltage** 6 V. **Power Supply** Two 3 V lithium cells, type CR2 in the battery compartment. With the LEICA MOTOR-WINDER R8/R9 : two lithium cells, type 123 of the winder. With the LEICA MOTOR-DRIVE R8/R9 : Ni-MH battery pack of the drive, battery control by means of a symbol in the back cover LCD display.
Dimensions (W x H x D)	158 x 101 x 62 mm (6 1/4 x 4 x 2 7/16 in)
Weight	790 g (less than 28 oz)


LEICA
R9

my point of view

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