Leica M

Empowering your creative freedom
to capture decisive moments.

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LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 160, f/4, 1/1000 s

Dear friends of Leica,

Leica Camera shares your passion and love of challenging creative photography. Our factory is dedicated to designing and constructing cameras and lenses of the highest quality and uncompromising performance for people just like you.

Leica cameras and lenses are exquisite tools that let you experience a unique view of life – tools that ensure the photographer's complete creative freedom. At the same time, they maximize the potential for realizing your most cherished visual concepts in the form of perfect pictures – images that capture and possess the power to express the otherwise hidden or unnoticed facets of life.

The Leica M stands for precisely this special genre of photography as no other camera can. Since our introduction of the combined viewfinder/rangefinder principle in 1954, countless photojournalists and photographic artists have reshaped and redefined our views of the world with their responsive, silent, and discreet Leica M cameras. This is because rangefinder cameras are ideal for capturing vital and authentic images taken from real life, a fact that holds true to the present day.

With their intense concentration solely on essential functions and timelessly purist design, the Leica M7 and MP cameras carry forth the noble heritage of their predecessors. What is more, they represent the crowning glory of classical Leica M photography. Subsequently, the first professional digital rangefinder camera, the Leica M8, established yet another landmark for the digital age.

Today, it is the Leica M9 that continues the legendary success of M photography. It is the world's most compact, full-format, digital system camera – the perfect tool for capturing images that transform fleeting moments into stories brimming with the lifeblood of true human experience. We discovered one such viscerally authentic story for you in Cuba – a story that could only be told with the new Leica M9.

Your partner in imaging excellence,
Leica Camera AG

IN THE BEGINNING, THERE WAS **LEICA**

From an idea to a legend.

Photography cannot stop the course of time, but it can capture, document, and interpret its fleeting moments, preserving memories of those poignant instants for eternity. Indeed, the transformation of the transitory into the eternal is one of the main reason we take pictures. And thanks in part to the pioneering spirit of Leica, it is now possible for everyone to record their memories conveniently as they happen. It all began about a century ago, when Oskar Barnack changed photography with a stroke of genius – designing the first Leica, a small, robust, easy-to-use 24 x 36 mm format camera that paved the way for photography as we know it today.

In 1954, the launch of the Leica M-System, with its brilliant combined viewfinder and coupled rangefinder, opened up vast new horizons in reportage and artistic photography. In the eyes of photographers, a Leica M has always been the perfect tool for capturing the fascination of a moment discreetly, silently, without hesitation, and with perfect image quality. Indeed, unsurpassed image quality was, is, and always will be the key founding principle of Leica. Every innovation and development since then has been measured by this strict criterion. With the launch of the Leica M8 in 2006, a new era in the history of rangefinder cameras began: the M-System went digital. Then, in 2009, Leica set a further milestone in digital photography with the Leica M9: The M9 is the first ever rangefinder camera with a full-frame 24 x 36 mm sensor, and is also the smallest full-format digital system camera the world has ever seen. It is no exaggeration to state that the Leica M9 is the most significant new Leica since the landmark Leica M3 of 1954.

"Che Guevara", one of the most famous pictures ever captured with a Leica M camera.
Copyright by Rene Burri 1963, Magnum Photos, Agentur Focus

1849	Carl Kellner founds the "Optische Institut Wetzlar" ("Wetzlar Optical Institute").
1865	Ernst Leitz joins the company as a partner.
1914	Leica engineer Oskar Barnack constructs the first Leica.
1924	Ernst Leitz II makes the decision to produce the 35-mm camera in series production.
	The name Leica for Leitz Camera is registered.
1925	The Leica I with a non-interchangeable lens is exhibited at the Leipzig Spring Fair
1930	The first Leica with interchangeable thread-mount lenses appears on the market.
1934	The Leica 250 "Reporter" can be loaded with 10 m of film for 250 exposures.
1954	The Leica M3 with bayonet mount and combined bright-line viewfinder and rangefinder ushers in a whole new era.
1965	The Leicaflex is the first Leica SLR to go into production.
1966	A quantum leap: the Leica Noctilux-M 50 mm f/1.2 is presented at the Photokina.
1967	Introduction of the Leica M4 with a simplified film-loading mechanism and new rewind knob.
1971	The Leica M5 is the world's first rangefinder camera with selective through-the-lens metering.
1975	New glasses enable the construction of the extremely fast Leica Noctilux 1/50 mm f/1.0 lens.
1984	Introduction of the Leica M6 with selective metering and an LED display in the viewfinder.
1998	Announcement of the Leica M6 TTL with TTL flash metering.
2002	The Leica M7 debuts with aperture priority exposure mode and digital display of the automatically determined shutter speeds.
2006	Leica presents the first, digital range-finder camera: the Leica M8.
2008	The Leica M8.2 is launched.
2008	Leica presents the world's fastest aspheric lens: the Leica Noctilux-M 50 mm f/0.95 ASPH.
2009	Launch of the world's smallest full-format digital system camera: the Leica M9.

LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 200, f/2, 1/250 s

LEICA **REPORTAGE**

Born of passion and the drive to be number one.

As his day begins, the sun is only just rising over Havana. With his sports bag hanging from his shoulder, he mounts his bike and rides through the empty streets of Old Havana towards the beach where he'll perform the first part of the day's exercises. Stretching followed by some light running: a morning in the life of a future champion.

Yaniel Merino, age 21, is a boxer. He's one of the many talented young amateurs in Cuba today. Here on the largest island of the Antilles, boxing is considered a national sport. Cuba has hundreds of boxing schools, training up to 20,000 boxers. Around 4,000 of them perform at an international level. Impressive figures that provide at least a mathematical explanation for the phenomenon that is boxing in Cuba. When it comes to amateur boxing, Cuba is a world power, winning more gold medals in men's competitions than any other nation in recent decades. Nowhere else in the world is the passion for this sport so authentic and so vibrant.

Top: LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 200, f/4, 1/250 s, bottom: LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 200, f/2, 1/1000 s

Top: LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 160, f/2, 1/500 s, bottom: LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 160, f/5.6, 1/750 s

A 1962 national law making professional sports illegal stopped the commercialization of boxing in Cuba. Even today, Cuba's boxers train under the simplest and sometimes even the most conditions. Perhaps this explains why the sport of boxing in Cuba has retained its original character – as an authentic contest between two men, for fame and honor. It's fair to say that Cuba is one of the last bastions where boxers step into the ring for little more than the love of the sport and the love of their country.

Yaniel, too, who dreams of one day becoming an Olympic champion, says that he fights to win not only for himself but also for Cuba. Asked about his most significant match, he doesn't hesitate: the fight that won him an invitation to join the Cuban national team. A government talent scout discovered him at the famous Rafael Trejo boxing school, home of many of Cuba's champions. It was a significant step on the path towards fulfilling his dream of Olympic gold. We briefly accompany Yaniel on this path with the new Leica M9. What camera is better suited to telling the story of this up-and-coming boxing champion, authentically and vividly, than a genuine M. Discrete, compact, precise, lightning-fast, and, like the young Cuban, ready to claim a place among the best in the world.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 160, f/2.8, 1/500 s

LEICA **M-SYSTEM**

Perfection in every detail.

Yaniel doesn't leave anything to chance. Each training session is planned down to the very last detail. His days follow the strict regimen demanded of a future boxing champion. His diet, too, is carefully controlled, ensuring that he tips the scale at the perfect weight for the next fight. Every element is precisely engineered – just like the components of a genuine M camera. Because that's the only way to ensure that the results are perfect every time – results that prove superiority to all contenders. It's true for Yaniel in his sport, just as it is for Leica in the world of photography.

LEICA M9, LEICA NOCTILUX-M 50 mm f/0.95 ASPH., ISO 320, f/1.4, 1/60 s

LEICA **M-SYSTEM**

M as in “Messsucher”.

Leica M cameras are a living legend. The M stands for “Messsucher”, the German term for a combined rangefinder and viewfinder, and for a unique, individualistic kind of photography. This system, generally described as an interchangeable-lens rangefinder system, has particular merits that enable photographers to transform their very own, personal, subjective visual concepts into photographic realities seamlessly. At the same time, the Leica M has intuitive controls and is simple to use – even for photographers who have previously used only SLR cameras. With a Leica M there are no superfluous functions and no overcomplicated menus. Photographers are given the opportunity to concentrate on the essential: creating memorable pictures.

The rangefinder system, above all others, enables photographers to capture authentic, natural images, taken from real life. In a way, Leica M photographers become part of the action in framing whatever they wish to capture in the viewfinder – a scene, a mood, a special moment. Simultaneously, the photographer still perceives what is going on outside the viewfinder frame. The decisive moment thus becomes more predictable, and it can be captured at precisely the right instant. The clear view of the subject remains visible even during the exposure and even under the most adverse lighting conditions. The bright, high-contrast viewfinder combines with the world-renowned M-System rangefinder, assuring extremely fast and precise focusing. The minimal delay between releasing the shutter and capturing the shot makes Leica M cameras the fastest, most responsive cameras in the world.

Along with the legendary MP and M7 35-mm cameras, the M8 and the M8.2 – the first digital Leica M models – advanced the noble heritage of Leica M cameras. But now, the M9 has established yet another new and exciting benchmark: As the world’s smallest system camera to enable digital image capture with a full-frame, 24 × 36 format sensor, it is truly a professional tool for authentic M photography!

What you see through the viewfinder of an M camera: The inner bright-line frame shows the image boundaries for a 90-mm lens, while the outer frame shows the boundaries for a 28-mm lens. The grey rectangle in the center is the rangefinder focusing area.

THE RANGEFINDER/ VIEWFINDER SYSTEM

An optical masterpiece created for the highest levels of photography. Compared to SLR photography, where focusing takes place through the lens, and lens focal length and aperture set limits on focusing accuracy, the rangefinder base of the Leica M remains precisely the same regardless of the lens being used and therefore provides extraordinarily precise focusing with all lenses. This is the fundamental reason why the focusing precision of the M-System is far superior to that of SLR cameras, particularly with short focal length lenses. The high-contrast rangefinder rectangle in the center of the viewfinder guarantees fast, precise, and pin-sharp focusing, even under the mostly adverse lighting conditions. And irrespective of whatever lens happens to be mounted on the camera, the frame selector lever allows photographers to preview the effect of using different lenses by displaying any of the bright-line frames in the viewfinder – an invaluable aid for assessing in advance which lens is the most appropriate for the shot. Since the position of the six different bright-line frames is automatically corrected for parallax at all focusing distances, they always show the precise image boundaries for the selected focal length. The bright-line viewfinder shows all information relevant to the capture of a perfect image including the peripheral area around the main subject, thus providing significant advantages for creating spontaneous photographs. Unobtrusively and with absolute discretion.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 400, f/8, 1/500 s

COMPACT

No other professional camera is as compact as a Leica M. Because the camera doesn't require a bulky mirror box, this allows the construction of a body with a depth of, for example, less than 37 mm in the case of the Leica M9. The M lenses also benefit from an extremely short back focus, the distance between the lens mount and the image plane, which permits the construction of lenses with extremely small dimensions and low weights. The extraordinary compactness of M cameras and M lenses also makes them the ideal camera system for travel and reportage photography. Mirror-bounce and related shake effects in captured images are a problem never encountered by M photographers.

DISCREET

Unobtrusiveness, clarity of design, and a barely audible shutter also play a significant role in creating the unique charisma of Leica M images. Time and again, photographers working with M cameras in areas of social and political tension around the world report that they are not perceived as journalists, and can capture images that remain unattainable for users of other camera systems. Portraits appear more relaxed because the camera does not hide the photographer's face, and eye contact with the subject is maintained. The ability to shoot discreetly also allows the photographer to concentrate on the essential details, facilitating the creation of memorable images. This underlying principle that applies to all Leica M cameras has been articulated with consummate brilliance in the new Leica M9.

FOCUSED

Everything newly designed or further developed in the evolutionary process of the Leica M-System satisfies a genuine photographic need. This principle was also constantly borne in mind throughout the development of the new M9. The outcome is a digital rangefinder camera that quite intentionally does not offer every feature made possible by modern technology, but rather limits itself exclusively to what makes real sense in terms of photography. This includes, for instance, such unique capabilities as precise exposure control by means of a tonal value histogram that is recalculated each time a different detailed area of the captured image is viewed.

TOUGH

People who take photography seriously usually live their lives at the edge; in searing heat or bitter cold, pouring rain or swirling dust. The M is built to be consistent, dependable, and tough under almost any imaginable conditions. This is why resilience and endurance are always prime concerns in the design and construction of every M camera. It also explains why the body is manufactured exclusively from only the best materials: brass for the top deck and baseplate and high-impact magnesium alloy for the chassis. The digital components are also carefully selected to ensure utter reliability over countless years of practical use. Matchless manufacturing precision and painstaking assembly guarantee functional reliability for decades to come.

UNIQUE CUSTOMER COMMITMENT

Precision is the be-all and end-all in the construction of any Leica product. No product ever leaves the Leica factory before all critical manufacturing phases have been rigorously checked. Products that can still be serviced and repaired decades after they were built are extremely rare in these times of planned obsolescence and disposable products. But the Customer Service department at Leica still services and repairs all M cameras – from the very first one built in 1954 to the very latest models!

LEICA **M-SYSTEM**

Unrivaled, even in the lowest light.

The construction of the extremely compact Leica M lenses is concentrated on one single aim point: delivering imaging excellence in film and digital photography. Leica engineers constantly invest enormous effort and innovative ingenuity in their quest for perfect optical solutions. The outcome: lenses with unrivaled performance. They often have fewer optical elements to reduce the number of air-glass surfaces that light rays must pass through to a minimum. This design concept, realized using highest-quality glasses and precision manufacturing techniques, creates the basis for images endowed with an unmistakable character – not only in contrast and resolution, but also in structure and tonal richness. They have a uniquely natural signature that's particularly noticeable in images shot under adverse lighting conditions. This is further enhanced by the sheer pleasure of a silky-smooth focusing action without a trace of play. This outstanding quality is ensured for every single lens we produce by the experienced hands of our factory's precision optical and mechanical engineers. It's yet another reason why Leica lenses are considered by many veteran photographers and imaging experts to be the best in the world.

LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 160, f/2, 1/30 s

MODERN TECHNOLOGY AT YOUR SERVICE

The superior performance of Leica lenses is based on the most modern technologies: aspherical elements enable the construction of highly compact lenses that provide breathtaking performance. The use of floating elements (differentially movable optical groups) ensures superb resolution at close focusing distances. Apochromatic correction in the optical systems of telephoto lenses guarantees brilliant reproduction without any color fringing effects. Sophisticated solutions for the suppression of internal reflections enhance contrast and shadow detail. It is safe to say that every Leica lens delivers superb performance even at its maximum aperture. Stopping down serves mainly to increase the depth of field.

COMPATIBILITY

Leica engineers created a timeless standard when they designed the Leica M bayonet in the 1950s. This lens mount ensures absolute system compatibility with all M cameras up to the incomparable new Leica M9. Almost all older M lenses are fully compatible with and function flawlessly on the M9. However, Leica system compatibility is decidedly forward-looking, with an eye toward the future. Thanks to the new 6-bit coding of lens mounts, the Leica M9 automatically recognizes the characteristics of the attached lens and employs this information for internal processing. Of course, uncoded Leica lenses can also be used on the M9 with its new, advanced bayonet mount. Likewise, the new, 6-bit coded lenses are also perfectly at home on any of the earlier M film cameras.

LEICA **M-SYSTEM**

Everything at a glance.

THE LEICA M CAMERAS

LEICA M9
Available in steel-grey paint or black paint finish.

LEICA MP
Available in silver chrome and black paint finish.

LEICA M7
Available in silver chrome and black chrome.

WIDE-ANGLE LENSES

LEICA TRI-ELMAR-M
16–18–21 mm f/4 ASPH.

LEICA SUPER-ELMAR-M
18 mm f/3.8 ASPH.

LEICA SUMMILUX-M
21 mm f/1.4 ASPH.

LEICA ELMARIT-M
21 mm f/2.8 ASPH.

LEICA SUMMILUX-M
24 mm f/1.4 ASPH.

LEICA ELMARIT-M
24 mm f/2.8 ASPH.

LEICA ELMAR-M
24 mm f/3.8 ASPH.

LEICA SUMMICRON-M
28 mm f/2 ASPH.

LEICA ELMARIT-M
28 mm f/2.8 ASPH.

LEICA SUMMILUX-M
35 mm f/1.4 ASPH.

LEICA SUMMICRON-M
35 mm f/2 ASPH.

LEICA SUMMARIT-M
35 mm f/2.5

STANDARD LENSES

LEICA NOCTILUX-M
50 mm f/0.95 ASPH.

LEICA SUMMILUX-M
50 mm f/1.4 ASPH.

LEICA SUMMICRON-M
50 mm f/2

LEICA SUMMARIT-M
50 mm f/2.5

TELEPHOTO LENSES

LEICA APO-SUMMICRON-M
75 mm f/2 ASPH.

LEICA SUMMARIT-M
75 mm f/2.5

LEICA APO-SUMMICRON-M
90 mm f/2 ASPH.

LEICA SUMMARIT-M
90 mm f/2.5

LEICA APO-TELYT-M
135 mm f/3.4

MACRO LENSES

LEICA MACRO-ELMAR-M
90 mm f/4

LEICA
M9

LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 160, f/5.6, 1/500 s

LEICA **M9**

Maximum performance for unforgettable moments.

A single punch, perfectly timed and perfectly aimed, can make history. That's the punch that Yaniel trains for, working hours a day for six days a week. His hobbies – dancing and music – are relegated to second place. Every three months, he attends a training camp for young athletes aspiring to join the Cuban national team. Here, especially, Yaniel must again and again prove his abilities in the ring. Unfailing performance at the highest levels of technical proficiency: it's a description that applies equally to the new Leica M9. For photographs that capture the story within a moment. And sometimes a moment of history.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 200, f/2.8, 1/250 s

LEICA **M9**

Digital photography enters a whole new dimension.

Full-size view; available in steel-grey paint or black paint finish. 7

Full-size view 2

The history of 35-mm photography began almost 100 years ago with the legendary Ur-Leica. Today, it is the Leica M9, a landmark camera that carries the proud heritage of Leica M cameras into the digital age. The Leica M9 is the world's first digital system camera of its size to be built with a full-frame sensor – a CCD sensor developed specifically for the M9 – that is capable of perfectly capturing the full 35-mm format (24 × 36 mm) in ultra-high resolution. The new M9 – in the familiar, classic, and timeless M design, represents the quintessence of its predecessors based on the consummate technological level of our time. It is the perfect contemporary tool for those who set the highest standards in image quality and are committed to creating images of enduring value.

1 UNCOMPROMISING IMAGE QUALITY
2 COMPATIBILITY AS A MATTER OF PRINCIPLE
3 ENDURING PERFORMANCE AND VALUE
4 SILENCE AND DISCRETION
5 SPEED AND FLEXIBILITY
6 COMPLETE CONTROL OF ALL PICTURE PARAMETERS
7 FULL-FRAME 24 x 36 MM CAPTURE WITHOUT ANY COMPROMISES
8 OPTIMIZED SENSOR
9 INTUITIVE CONTROLS
10 FULL INFORMATION AT THE PUSH OF A BUTTON

LEICA **M9**

Concentrating on the essentials: maximum image quality.

Full-size view

Like every M camera of the past half century, the M9 is concentrated, by design, on the most photographically relevant functions. Its manual focusing – based on the combined viewfinder and rangefinder concept – and aperture priority exposure mode enable photographers to achieve maximum creative expression without imposing any limitations on their creative freedom. In combination with the 2.5-inch LCD monitor on the back, the simple, intuitive menu navigation system controlled by only a few buttons ensures rapid access to the entire range of camera functions.

1 UNCOMPROMISING IMAGE QUALITY

With its extremely high-resolution image sensor in full-frame 35-mm format and cutting-edge image-processing system, the Leica M9 is uncompromisingly dedicated to capturing images of the very highest quality. The photographer may choose between image storage in JPEG format for fast processing, or as raw data in DNG format that supports a multitude of post-processing options. Alternatively, both formats may be stored simultaneously. In the DNG format, photographers may also choose between a compressed, but faster and greater space-saving option, or an uncompressed version that preserves maximum image quality.

2 COMPATIBILITY AS A MATTER OF PRINCIPLE

Of course the Leica M9 offers photographers access to the complete Leica M lens system lenses, long acclaimed by experts and users as the best in the world. Its development began in 1954, and the M-System has been continually advanced and improved ever since. The high-resolution, full-format image sensor of the M9 fully exploits the performance of legendary Leica lenses from corner to corner.

3 ENDURING PERFORMANCE AND VALUE

It is hardly unusual that a Leica, once owned, becomes a lifelong companion. This also applies to the digital M9: Its closed, full-metal housing, crafted from a high-strength magnesium alloy, and its top deck and bottom plate machined from large blocks of brass, provide perfect protection for its precious inner mechanisms. The digital components and shutter assembly of the M9 are similarly constructed with endurance in mind. Free firmware updates ensure that the camera benefits from the latest technology. In short: The Leica M9 is an investment for a lifetime.

4 SILENCE AND DISCRETION

Discretion and unobtrusiveness are particular strengths of the M-system. In operation, the shutter of the M9 is as quiet as a whisper. An extremely low noise level when cocking the shutter is ensured by a sophisticated motor and gearing system. In discreet mode, the shutter is only cocked after the photographer‘s finger is lifted from the shutter release button when, for instance, the camera is concealed under a jacket. When shooting handheld at long exposure times, or whenever extreme steadiness is essential, slight pressure on the shutter release button in ‘soft release’ mode is sufficient to trigger the camera. In addition to these advantages, the fact that the combination of camera and lens is significantly more compact than any other full-frame camera system contributes to the fact that M photographers are frequently unnoticed and often simply blend into the background.

5 SPEED AND FLEXIBILITY

The Leica M9 adapts to its intended uses in a seamlessly flexible manner. Its sensitivity ranges from ISO 80 for wide-open apertures on bright days to ISO 2500 for low-light image capture. Very low noise levels and finely detailed images are achieved throughout the sensitivity range, even at the highest ISO settings. Very low image noise characteristics, an extremely bright viewfinder/rangefinder, low-vibration shutter and the availability of super fast lenses make the M9 the perfect camera for available-light photography.

6 COMPLETE CONTROL OF ALL PICTURE PARAMETERS

The Leica M9 aids photographers with automatic functions whenever they're required, but it never dictates how to shoot or interferes with the picture-taking process. Depending on the light level, the automatic ISO shift function increases the sensitivity of the camera as soon as the shutter speed falls below a hand-holdable value. At the same time, it also limits the shift to a maximum value determined by the photographer. This means that correct exposure without camera shake and the lowest possible sensitivity is always available to guarantee the best possible image quality in all situations. In addition, the M9 also offers automatic exposure bracketing with a user-selectable number of shots and exposure increments. This function ensures that even high-contrast subjects are perfectly captured.

LEICA **M9**

The ultimate in rangefinder precision meets cutting-edge digital technology.

9

10 | 7/8 | Full-size view

The Leica M9 embodies the heritage and amassed experience of more than five decades of the M-System. It is also, simultaneously, a digital system camera at the absolute pinnacle of modern technology. For Leica designers, photography has always been their prime concern – whether film or digital. The combination of an extremely efficient image sensor, the latest digital components, and the classic viewfinder/rangefinder principle – consistently optimized over many years – make the Leica M9 absolutely unique in all the world.

7 FULL FRAME 24 × 36 MM – WITHOUT ANY COMPROMISES

The CCD image sensor in the M9 was specifically designed and developed for this camera and offers full 35-mm film format without any compromises. All M lenses mounted on the M9 offer the same exact angle of view they had when shooting film material and therefore can now be used to an optimum effect. In other words, all the outstanding characteristics of Leica M lenses are now fully maintained for digital photography as well. In short, the high resolution and superior image quality of the M9 has the ability to fully exploit the enormous potential of M lenses.

8 OPTIMIZED SENSOR

In the case of the M9, it wasn't a matter of modifying the lenses to match the image sensor, but rather the other way around. Our dedication to further developing the image sensor has resulted in a component perfectly matched to its intended role in the very compact M-System as well as to the performance of M lenses. The special layout of the micro lenses found in the M9 sensor makes it tolerant of oblique light rays impinging on its surface, thus assuring uniform exposure and extreme sharpness from corner to corner in every image. As a result, future Leica M lenses can be designed and optimized with uncompromising dedication to the achievement of the highest performance and compact construction. A newly developed sensor filter ensures the suppression of undesirable infrared light. The conscious decision to do without a moiré filter, a cause of image deterioration through loss of resolution, ensures maximum resolution of fine detail. The optimized signal-noise ratio of the CCD image sensor reduces the need for digital post-processing and ensures that M9 images possess an unrivaled and natural visual impact.

9 INTUITIVE CONTROLS

The key control element of the M9 is an intuitive four-way switch and dial combination used in conjunction with the 2.5-inch LCD monitor on the back. To set the ISO sensitivity, simply maintain light pressure on the ISO button while simultaneously turning the dial to select the required setting. All other functions important for everyday situations are quickly and easily accessible by pressing the set button: white balance, image-data compression, resolution, exposure correction, exposure bracketing, and programmable user profiles. The user profiles can be programmed with any combination of camera and shooting settings, stored under an assigned name, and accessed quickly whenever required for a particular situation. An additional pre-defined snapshot profile is also available. In snapshot mode, the M9 automatically sets as many settings as possible, thus providing a valuable aid to spontaneous and discreet photography. All other functions – from automatic lens recognition via six-bit lens-mount coding and selection of the required color space to cleaning of the sensor – are easily found in the clearly arranged main camera menu.

10 ALL INFORMATION AT THE PUSH OF A BUTTON

Pressing the "info" button in shooting mode displays the precise charge level of the battery, the remaining number of frames on the installed memory card, and the most important basic shooting settings, for example the shutter speed, on the camera's brilliant 2.5-inch LCD monitor. In image-view mode, users can switch between an image-only view (with a zoom option up to single pixel level) or access other information by simply turning the dial. The available data includes information on the ISO sensitivity setting and shutter speed in use, plus a precise histogram display.

MICRO-LENS LAYOUT

1 Pixel diagram
2 Centered micro lens in the middle of the sensor
3 Laterally displaced micro lens at the edge of the sensor

LENS WITH SIX-BIT CODING
(not illustrated)

The extremely efficient image sensor of the M9 demands a particularly high spatial resolution to deliver all the image quality delivered by the latest M lenses. Their excellent correction for optical aberrations and high resolution makes them a perfect match for the awesome digital capture capabilities of the M9. The current M lenses are supplied with a six-bit code on the mount that is scanned optically by the M9. On the basis of this coded information, the M9 can compensate for any negligible, system-inherent vignetting effects. In addition, the lens type is recorded in the EXIF data of the image files and, when using the latest flash units like the Leica SF 58, the camera automatically adjusts the flash head to match the focal length of the lens in use. Leica users can contact Customer Service to arrange for retrofitting the six-bit coding to the mounts of most existing M lenses.

INCREASED SENSITIVITY THROUGH MICRO-LENS TECHNOLOGY

Micro lenses are employed to ensure that more light reaches each individual pixel of the M9 sensor. As a consequence of the extremely compact design of Leica M cameras, rays of incoming light at the edges of the image field impinge obliquely on the sensor and would therefore not be captured by a sensor employing conventional micro lenses. As a consequence, the image sensor of the M9 employs advanced and meticulously designed micro lenses which have a low refractive index. In addition, the micro lenses at the edges of the sensor are laterally displaced towards the image center to match the characteristics of M lenses precisely. This optimized micro-lens design, based on many years of precision optical engineering experience, captures and concentrates even the most oblique rays on the sensor and reliably delivers full image brightness across the image field without any fall-off at the edges and corners of the image. This ensures that all existing Leica M lenses maintain their full performance when used for digital photography.

WORKFLOW SOFTWARE IS INCLUDED

The digital image processing workflow solution Adobe® Photoshop® Lightroom® is included in the M9 package.

WORKFLOW SOFTWARE IS INCLUDED

The M9 is supplied complete with Adobe® Photoshop® Lightroom®, a professional digital workflow solution for Apple Mac® OS X and Microsoft Windows®. The software is available as a free of charge online download for all Leica M9 customers. This also ensures that the latest release is always readily available. Adobe® Photoshop® Lightroom® offers a vast range of functions for the administration, processing, and exporting of digital images. If the images from the M9 are saved as raw data in the standardized and future-proof Adobe Digital Negative Format (DNG), then the sophisticated and precise processing options of Adobe® Photoshop® Lightroom® guarantee direct and extremely high-quality image processing with maximum image quality. At the same time, the 16-bit per channel color information captured by the image sensor is maintained throughout the processing workflow from image import to image export, ensuring that the most delicate tonal differentiations are preserved in maximum quality after completion of the post-processing sequence.

TONAL VALUE HISTOGRAM
(not illustrated)

The Leica M9 can display a precise RGB tonal value histogram of the captured image after each shot, and also offers optional integration of the histogram in the automatic image view display. The clipping warning display over- and underexposed zones in each image, warning the photographer of potentially unusable images. An innovative feature is that the histogram is recalculated every time a new part of the image is viewed, thus enabling a precise quality assessment of small image areas and even the finest image details.

LEICA **M9**

Innovative flash technology.

1 **LEICA SF 58 FLASH UNIT**
Powerful and flexible: Full compatibility with the LEICA M9 and other M cameras; please refer to the accessories section on page 68.

2 **LEICA SF 24D FLASH UNIT**
Compact and handy: Full compatibility with the LEICA M9 and other M cameras; please refer to the accessories section on page 68.

1

2

The M9 is also eminently suitable for flash photography. With either the Leica SF 24D, a compact flash unit ideally matched to the M9, the high powered Leica SF 58, or other brands' flash units with SCA 3502 adapters, M-TTL flash technology enables precise creative control via flash and mixed lighting effects. Prior to the actual exposure, the units emit a measuring flash that is metered through the lens. The flash power is then precisely calculated and set taking into consideration the ambient, natural light level. Thanks to this precise balancing of flash illumination and existing light, the mood of the scene is maintained and the picture looks completely natural. In combination with the aperture priority exposure mode, the auto-slow sync function ensures a subtle lightening of the subject that enables the longest shutter speeds to be set manually or, when using six-bit coded lenses, automatically based on the 1/focal length rule of thumb.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., Pull 80, f/8, 1/180 s

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 160, f/4, 1/1000 s

LEICA **M7/MP**

Success from generation to generation.

The success of a Cuban boxer is greatly influenced by his trainer. Virtually all trainers were themselves once successful boxers and many are Olympic medalists and world champions. They have valuable experience and passion for boxing, which they now hand down to the next generation. The relationship between the trainer and the boxer in their care is relaxed and warm-hearted. A famous Cuban trainer once said that every boxer is like a world of his own, waiting to be discovered. This sentiment expresses the essence of the special rapport that exists between trainer and boxer. The fact that success can be passed on from generation to generation is also evident in the analogue M models, the Leica M7, and MP. They represent the seamless evolution of their successful forerunners, and bring the philosophy of classic M photography to the heights of contemporary sophistication.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 160, f/5.6, 1/500 s

LEICA **M7**

The crowning glory of classic Leica M photography.

Full-size view

Full-size view; available in silver chrome and black chrome.

Classics are works that have a curious relationship with the present. They are never reformulated with respect to their essential character, but rather reinterpreted on the basis of a changed world: The Leica M7 film camera is just such a classic. Like every other Leica M camera, the M7 is primarily a mechanical and optical precision instrument. However, because of the intelligent use of the latest electronics, it is simultaneously the most versatile and most precise Leica M film camera ever built. For example, Leica M7 photographers can select a continuously variable aperture priority exposure mode – leaving the photographer free to concentrate on the creative essentials of focusing and framing the subject.

PICTURE PARAMETERS AT A GLANCE

A system unique to Leica rangefinder cameras clearly displays all relevant information in the brilliant viewfinder of the Leica M7: the shutter speed determined by the aperture priority exposure system, over- and underexposure values in manual metering mode, a flash-ready signal when a flash unit is attached and ready to fire, and a warning icon when the camera batteries are low.

1 ENHANCED PRECISION PLUS MANUAL BACKUP

The legendary Leica horizontal cloth focal plane shutter incorporated in all previous M-series film cameras was fundamentally revised for the M7. It's barely audible when controlling the shutter speeds electronically, and constitutes an essential element of the aperture priority exposure system. The commonly used shutter speeds of 1/60 sec and 1/125 sec function without battery power.

2 CREATIVE FLASH OPTIONS

In combination with a special dedicated flash unit, the M7 also offers second-curtain flash synchronization. The advantage: A more natural look to captured images of moving subjects including time exposures with fill-in flash. In addition to the standard synchronization speed of 1/50 sec, the M7 also synchronizes at a speed of up to 1/1000 sec when used in combination with certain SCA dedicated Metz flash units.

3 AVOIDING INCORRECT EXPOSURES

The Leica M7 offers photographers the choice of setting the film speed (ISO) manually or by using the contactless automatic film-speed detection built into the camera body (DX Coding). This effectively avoids incorrect exposures due to wrongly set ISO film speeds. As a further option, in automatic exposure mode, photographers can input exposure corrections of up to ±2 stops.

4 AUTOMATIC EXPOSURE ALTERNATIVES

As an alternative to the familiar manual exposure metering of other M cameras – which of course is still an option with the M7 – the camera also offers a convenient, continuously variable aperture priority exposure mode with AE lock that is activated by lightly depressing the shutter release.

5 READY TO GO …OR STOW

The ON/OFF switch, ergonomically located directly next to the shutter release, has two important functions: Firstly, it activates the electronics of the Leica M7 and, secondly, it locks the shutter release when the camera is turned off.

LEICA **MP**

A masterpiece of mechanical precision.

Full-size view

Full-size view; available in silver chrome and black paint finish.

It is noteworthy to mention that even in this increasingly electronic age, the Leica MP is a purely mechanical camera that transforms the act of capturing compelling images into something indescribably exciting and sensual. Over 80 years of experience and expertise in the design and construction of exclusively mechanical rangefinder cameras has culminated in the current Leica MP. This timeless classic embodies the essence of fine mechanical precision. It is a veritable masterpiece possessing a visceral and emotional quality that captivates any photographer at the very first touch. In this era of accelerating transition, the Leica MP stands supreme as a camera for a lifetime.

1 EMPOWERING

By definition, photography is writing with light. But Leica M photography means something more – the ability to create images that articulate a recognizable and distinctive character even with the bare minimum of available light. The Leica MP empowers the photographer to master even the most difficult lighting situations, because the camera never tries to think on its own. Its selective TTL metering system merely provides precise and comprehensible data to support the photographer in their selection of the ideal exposure parameters, ensuring complete creative control.

2 ENDURING

The Leica MP is built for long life and lasting value. This is guaranteed by Leica's commitment to using only the finest materials and the highest precision manufacturing techniques. Time and again, the Leica MP has proven its robustness and dependability under the most adverse conditions. It has been used in sub-freezing environments where cameras relying on batteries cannot function reliably – all while delivering a number of shutter release cycles that hardly any other camera could match. This matchless quality is also the underlying reason why Leica is prepared to offer an extraordinarily long warranty period of five years for registered users who purchase their camera at an authorized Leica dealer.

3 MAXIMUM STRENGTH MINIMALISM

The construction of the Leica MP is so uncompromising that it is always totally dependable. Its incredibly strong and rugged body will withstand the worst conditions without a whimper. All its crucial control elements are crafted exclusively in metal. Yes, the MP depends on the skills of the user – but it certainly doesn't depend on batteries. They are needed solely for metering. Anyone skilled in estimating shutter speeds and apertures can even completely ignore the electronics.

4 INDIVIDUALISM THAT IMPROVES WITH AGE

The Leica MP is available in two different body finishes: silver chrome or black paint. After years of hard use, when a bit of bright brass begins to show through the black or silver at the corners and edges, it's a sure sign to savvy photographers that the camera and its owner have shared many memorable experiences.

5 UNDERSTATED

It is well known that most professionals just love the red Leica dot on their cameras, but for the sake of maintaining a low profile, many mask the telltale dot with gaffer tape. This is why the Leica MP was manufactured without this iconic emblem right from the start. Of course, knowledgeable owners and aficionados can identify a Leica anywhere without the need for special branding. The Leica inscription on the top deck is identification enough.

LEICA **A LA CARTE**

Handcrafted and one of a kind.

2

Full-size view

1

Full-size view

Performance, precision and reliability – these are attributes that all Leica M cameras have in common. Nevertheless, the looks of M7 and MP film cameras can be changed in a variety of unique ways to express your individual tastes. Even technical details can be modified to match any photographer's personal use profile. This is how a fully personalized Leica M camera is born. A choice of the finest materials, different styles and colors, and a multitude of variable elements and functional details open up almost endless creative opportunities – from an unobtrusive professional street-shooter's tool to an extravagant and eye-catching lifestyle icon. The individual components are assembled by hand. Up to and including final quality control, each à la carte Leica M7 or MP is custom-crafted according to the precise specifications of each individual order.

FUNCTIONAL OPTIONS

Viewfinder frames and magnification can be custom ordered to meet the requirements of the lenses you prefer. The à la carte program offers a choice of universal viewfinder magnifications: the standard 0.72x version, the wide-angle and eyeglasses-wearer's version with 0.58x magnification, and the telephoto version with 0.85x. The choice of control elements allows you to tailor the camera precisely to your shooting requirements, for example to favor ruggedness or faster operation.

1 GIVE IT TO A GO

Over 4,000 different configuration options fulfill even the most unusual wishes. Whether you're a professional or a collector – Leica à la carte has exactly the camera you are looking for. The individual components can be viewed, handled, and selected at any authorized Leica store. However, the Internet configurator is almost certainly the most fascinating way to try out the various combinations: To do so, please visit www.leica-a-la-carte.com

2 ESTHETIC OPTIONS

A selection of top deck colors and body leathering in a wide range of organically tanned leathers in various textures and colors is available to complement the body finish. Camera bags, cases, and carrying straps are also available in matching leathers. And, last but not least, personalized engraving in the form of signatures, monograms, graphic elements, or family crests make any Leica a truly unique and unmistakable work of art.

LEICA M9, LEICA SUMMILUX-M 21 mm f/1.4 ASPH., ISO 160, f/4, 1/750 s

LEICA **M-LENSES**

The best in the world.

Founded in 1940, the Gimnasio Rafael Trejo enjoys a legendary reputation among fans of boxing. The list of internationally successful boxers who have trained at this school is lengthy. Any visitor to the unassuming gym at Calle Cuba 815 has a good chance of bumping into an ex-Olympic champion who might be looking in on “the boys”. And the studio is certainly worth a visit: under a corrugated iron roof, the open-air gym fills a vacant lot between two apartment blocks. The punching bags hang a mere arms-length from the neighbor’s windows. Boxing is literally part of everyday life here. Compared with the high-tech studios in the West, Gimnasio Rafael Trejo is a Spartan affair, yet it continues to produce world-class boxers. It’s something that Cuba’s boxers have in common with the renowned M lenses from Leica. M lenses are recognized as the benchmark in their class, garnering accolades from around the world for their brilliant performance and compact design.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 160, f/2.8, 1/500 s

LEICA **NOCTILUX-M** 50 mm f/0.95 ASPH.

King of the night.

LEICA M9, LEICA NOCTILUX-M 50 mm f/0.95 ASPH., ISO 160, f/0.95, 1/250 s

All views of lenses full-size (unless otherwise indicated)

In 2008 Leica proudly announced the fastest aspherical lens the world had ever seen: the remarkable Leica Noctilux-M 50 mm f/0.95 ASPH., a replacement for the legendary Leica Noctilux-M 50 mm f/1.0, which had been a highlight of the Leica M lens range since 1975. The combination of cutting-edge optical and mechanical technologies has made it possible to achieve a marked improvement in its performance compared to its illustrious predecessor. Although its dimensions are almost identical, a significantly higher speed has been successfully attained. At full aperture, its extremely shallow depth of field allows the photographer to create compelling portraits and scenic impressions characterized by an incomparably natural-looking play of sharpness and softness. Stop down a little and the lens delivers outstanding image quality comparable to that of the Leica Summilux-M 50 mm f/1.4 ASPH., the lens generally considered to be the reference standard for all other normal lenses. When used for available light photography, the new Noctilux-M actually exceeds the resolving power of the human eye. The use of a floating element ensures that this lens provides top performance down to its closest focusing distance. Vignetting and distortion have also been noticeably improved compared to the 50 mm f/1.0.

LEICA **SUMMILUX-M** 21 mm f/1.4 ASPH.

An unbeatable combination.

The Leica Summilux-M 21 mm f/1.4 ASPH. is the world's first and only 21-mm lens for 35-mm format photography with this exceptional maximum aperture. The outstanding image quality, wide angle of view, and compact size of both the Leica Summilux-M 21 mm f/1.4 ASPH. and the Leica Summilux-M 24 mm f/1.4 ASPH. combine to make these lenses almost indispensable for many applications in the world of professional photography. They provide extremely shallow depth of field at full aperture for maximum esthetic control. In close-up photography, for instance, a foreground subject can be effectively isolated from the background to create expressive and uniquely naturalistic photographic effects. Stopped down to medium apertures, their depth of field is so great that all elements in an expansive scene, from closest distances to infinity, will be in sharp focus. The use of a floating element ensures that their extremely high resolving power is maintained even at the closest focusing distance. Vignetting and distortion are extremely well corrected for wide-angle lenses with such large maximum apertures. A patented rectangular lens hood permits the use of Series VIII filters.

Top: LEICA M9, LEICA SUMMILUX-M 21 mm f/1.4 ASPH., ISO 160, f/5.6, 1/250 s, bottom: LEICA M9, LEICA SUPER-ELMAR-M 18 mm f/3.8 ASPH., ISO 160, f/3.8, 1/500 s

LEICA **SUPER-ELMAR-M** 18 mm f/3.8 ASPH.

The Epitome of Expansiveness.

Seldom before has the optimum use of space been so perfectly achieved as with the Leica Super-Elmar-M 18 mm f/3.8 ASPH. With an impressive angle of view of 100 degrees, it definitely falls within the super wide class and it delivers truly outstanding image quality. This opens up previously unrealized possibilities not only in the fields of architectural and landscape photography, but also for street shooting and environmental portraiture. Amazingly, it is only nominally larger than a standard lens, which is partially attributable to its patented, space-saving, but extremely effective, lens hood. Despite its enormous angle of view and compact dimensions, the Leica Super-Elmar-M 18 mm f/3.8 ASPH. is a paragon of optical excellence thanks of to its innovative retrofocus design consisting of eight optical elements, one of which has two aspherical surfaces. Indeed, it provides phenomenal image quality even at its widest aperture.

LEICA **APO-SUMMICRON-M** 75 mm f/2 ASPH.

Details at your fingertips.

This compact, fast, short telephoto lens is acclaimed for its excellent image quality at maximum aperture and over the full focusing range from infinity to minimum distance. It combines every feature offered by today's high-performance optical technologies in its construction including aspherical surfaces, special glasses with anomalous partial dispersion, and floating elements. To state it concisely, it is a photographic tool that represents the absolute peak of optical excellence. It's ideal for available light portraiture and for recording crucial details in photographic reportage.

Top: LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 250, f/2, 1/500 s, bottom: LEICA M9, LEICA MACRO-ELMAR-M 90 mm f/4, ISO 250, f/4, 1/125 s

LEICA **MACRO-ELMAR-M** 90 mm f/4

The power to create proximity.

In a set with LEICA
1 MACRO-ADAPTER M
2 ANGLE FINDER M

1

2

This is the most compact telephoto lens ever offered by Leica. It's a versatile, high-performance lens that's supremely portable. In combination with the Leica Macro-Adapter-M, it allows macro photography at distances as close as 55 cm and a reproduction ratio of up to 1:3. Despite its diminutive size, the Macro-Elmar delivers outstanding image quality in both normal distance and macro applications. In combination with a 28-mm or 35-mm wide-angle lens, this lens offers a compact, comprehensive system that is perfect for travelling, or in other situations where low weight and volume are essential.

WIDE-ANGLE LENSES

In a set with the LEICA UNIVERSAL WIDE-ANGLE VIEWFINDER M

LEICA TRI-ELMAR-M 16-18-21-mm f/4 ASPH.

This remarkable lens provides three super-wide focal lengths in one extremely compact package. Because of its minimal distortion even at 16 mm, this lens also meets the rigorous performance standards for of professional architectural photography. It's new internal focusing system, based on floating element technology, ensures the highest quality even at the closest distances. And when set to its hyperfocal distance, it's possible to achieve brilliant depth of field ranging from infinity down to 0.33 meters. Only available as a set complete with the Universal Wide-Angle Viewfinder M. Please refer to the accessories section.

LEICA ELMARIT-M 24 mm f/2.8 ASPH.

Designed specifically for capturing dynamic images that depict subjects in their environments, this classic wide-angle delivers extremely high contrast at maximum aperture, and optimum performance when stopped down by only 1 to 1.5 stops. Although only 3 mm longer than the 21-mm lens, it reveals astonishing perspectives that otherwise remain hidden when using a super-wide lens. It is a particularly good choice for reportage and architectural photography.

LEICA ELMARIT-M 21 mm f/2.8 ASPH.

This lens delivers outstanding contrast and detail rendition, uniform sharpness, and low distortion across the entire image field, even at maximum aperture. It's the ideal lens for capturing dramatic effects with monumental foregrounds and broad horizons. Stopping this lens down even moderately achieves an enormous depth of field – ideal for reportage photography when you often don't have time to focus and must estimate your shooting distance.

LEICA ELMAR-M 24 mm f/3.8 ASPH.

This lens is characterized by its extremely compact size, very high image quality, and very wide angle of view, all of which make it a great all-around wide-angle lens. Its range of uses is immense: from journalistic coverage of people in everyday settings, to landscapes and architectural photography. Contrast and detail rendition are excellent even at its maximum aperture of 3.8. Stopped down to medium apertures, the depth of field is so great that wide-ranging vistas will be in focus from close distances to infinity. All these outstanding properties make it an outstanding choice when used in combination with the snapshot mode of the new Leica M9.

LEICA SUMMILUX-M 24 mm f/1.4 ASPH.

The super-speed Leica Summilux-M 24 mm f/1.4 ASPH. is the ideal photographic tool for professional photojournalists. Indeed, it was virtually predestined for use in available light situations. Like the 21 mm f/1.4, its optical system consists of ten elements in eight groups. Prior to the introduction of aspherical blank molding technology for optical elements, creating lenses of the speed and quality of Summilux-M series would have been impossible. Extreme attention was paid to correcting chromatic aberration, and to this end, the optical design of the 24 mm contains no less than five elements with anomalous partial dispersion. Vignetting and distortion are so superbly corrected that they are, for practical purposes, non-existent. Even at the relatively wide aperture of f/2.8, only natural vignetting due to the laws of physics remains. The image quality of the lens is equal in every way to the splendid performance of the Leica Summilux-M 21 mm f/1.4 ASPH. A patented rectangular lens hood permits the use of Series VII filters.

LEICA SUMMICRON-M 28 mm f/2 ASPH.

A very fast, extremely compact wide-angle lens, it is the ideal choice for available-light photography and reportage, providing uncompromising image quality and high contrast starting at maximum aperture. Even under the most adverse lighting conditions, reflections and flare are almost completely eliminated. Its large maximum aperture of f/2 also enables the use of selective focus in wide-angle photography.

STANDARD LENSES

LEICA ELMARIT-M 28 mm f/2.8 ASPH.

No other M-lens is as compact as the Leica Elmarit-M 28 mm f/2.8 ASPH. The highest imaging performance is achieved through the use of an aspherical element. The lens is practically free of distortion from infinity to its closest focusing distance of 0.7 meters. Its light weight of only 180 grams is unmatched, and that's what makes this lens an ideal travel companion.

LEICA SUMMILUX-M 35 mm f/1.4 ASPH.

Unique in this focal length range, it's extremely fast for a wide-angle lens, and it delivers superb contrast at maximum aperture along with excellent detail rendition across the entire image field. In addition, this extremely compact wide-angle lens is a characterized by excellent flatness of field and extremely low coma, even at its minimum focus distance. A universal lens, it excels at everything from portraits to landscape photography.

LEICA SUMMICRON-M 35 mm f/2 ASPH.

Because of its excellent contrast characteristics, outstanding resolution throughout the entire focusing range, and almost perfect elimination of distortion, this renowned lens is one of the world's best high speed 35-mm lenses. It is also amazingly compact despite its large aperture and high imaging performance. In combination with this lens, any Leica M camera becomes a compact and elegant system in itself. Also available in silver chrome, it is highly recommended as a standard lens option for the new Leica M9.

LEICA SUMMARIT-M 35 mm f/2.5.

As the smallest and lightest 35-mm lens in the M-System, it's a true all-rounder. Constructed using the latest technologies, it offers excellent image quality, and offers an ideal alternative to the 28-mm lenses for Leica users starting to build their first Leica M-System. Special, high-refraction glass types with anomalous partial dispersion guarantee a level of color correction otherwise unattainable with standard glass formulations.

LEICA SUMMILUX-M 50 mm f/1.4 ASPH.

This classic lens is unsurpassed for highly expressive available light shots and high-contrast images with superb resolution of fine details, even at maximum aperture and minimum focus – thanks in part to its floating element design. It also provides precise color differentiation, almost complete absence of coma and superbly controlled internal reflection characteristics – ideal for capturing natural looking subjects in low light. It's particularly effective for portraiture thanks to its shallow depth of field at maximum aperture and subtle contrast gradation. Also available in silver chrome.

LEICA SUMMICRON-M 50 mm f/2

This compact universal lens has long been acclaimed as the best normal lens in its aperture class. It delivers extremely low distortion and outstanding image quality, even at close distances and from corner to corner. This makes the Summicron an ideal standard lens for all photographers seeking an unsurpassed combination of high performance and refinement in a handy, lightweight package.

LEICA SUMMARIT-M 50 mm f/2.5

Classical in design and reduced to the bare essentials, this exquisitely compact normal lens offers state-of-the art construction, a very useful maximum aperture, and it delivers the discernible level of optical quality Leica users have come to expect. In addition to excellent overall image quality, it provides very good contrast, outstanding flatness of field, impressive chromatic correction, and minimal distortion. It's a great choice for anyone, especially ambitious newcomers to the world of Leica photography.

TELEPHOTO LENSES

LEICA SUMMARIT–M 75 mm f/2.5

This extremely compact portrait lens based on classical spherical designs is an ideal entry-level lens for introducing photographers to the creative flexibility of this focal length class. Special glass types with high refractive indices offer superb imaging performance with high contrast across the entire image field. Extremely tight tolerances in the machining of its mechanical components ensure the highest possible reliability in practical use. This unobtrusive, everyday companion weighs in at only 345 grams.

LEICA APO–SUMMICRON–M 90 mm f/2 ASPH.

This exquisite lens sets new standards for its class in terms of image quality. The first lens ever to combine apochromatic correction and one aspherical lens surface, its brilliance and high resolution guarantee superlative images throughout the aperture range. The perfect lens for portraiture, reportage, or studio photography, its compact size and large maximum aperture make this lens ideal for hand-held photography.

LEICA SUMMARIT–M 90 mm f/2.5

Extraordinarily compact considering its combination of long focal length and wide maximum aperture, it embodies the tradition of classical spherical design and adds state-of-the-art technology and superb performance. Its compact construction keeps viewfinder obstruction to a bare minimum, while the choice of glass types employed guarantees outstanding color fidelity. Silky-smooth focusing action is another characteristic feature of this superb telephoto portrait lens.

LEICA APO–TELYT–M 135 mm f/3.4

The longest focal length in the M-System, this uncompromising telephoto lens delivers superlative Leica APO quality. Resolution and contrast are virtually perfect at every aperture, so distinctive landscape images with optical compression of foreground and background perspectives as well as full-format candid portraits can be captured unobtrusively from discreet distances. Note: The use of this lens on the Leica M9 is recommended only when certain criteria are met, for example, it must be stopped down by at least two stops.

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 160, f/2, 1/250 s

Lenses shown reduced in size.

LEICA
M-ACCESSORIES

LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 200, f/2.8, 1/90 s

LEICA **M**

Accessories.

Product	M9	M7	MP
Flash Leica SF 24D			
Order No. 14444	x	x	x

Guide number: max. 24 (ISO 100/21°). **Flash modes:** M-TTL flash metering with M9, TTL flash metering with M7, automatic or manual mode with MP. **Features:** flash exposure variable by ±3 stops, angle of illumination from 35 mm, from 24 mm with wide-angle diffuser, or from 85 mm with tele-diffuser. **Displays:** all settings and correction values readable from LC display with illumination option, flash exposure confirmation in the viewfinder of the M9 and M7, and on the flash unit. **Power supply:** two lithium-batteries at 3 V each, type 123 A, permit rapid flash sequences. **Dimensions (W × H × D):** 66 × 109 × 40 mm ($2^{2}/_{3}$ x $4^{1}/_{3}$ x $1^{1}/_{2}$ in.). **Weight:** approx. 180 g (6 oz) (without batteries). Complete with two diffusers (wide-angle and telephoto) and velour pouch.

Flash Leica SF 58

Order No. 14488	x	x	x

Guide number: max. 58 (ISO 100/21°). **Flash modes:** M-TTL flash metering with M9, TTL flash metering with M7, automatic or manual mode with MP, strobe mode. **Features:** flash exposure variable by ±3 stops, angle of illumination from 24 mm, with integrated wide-angle diffuser, from 18 mm, zoom reflector for up to 105 mm, horizontal and vertical reflector adjustment, secondary reflector, integrated bounce card for indirect flash, slave-remote option, test-flash function. Acoustic status signal. **Displays:** all settings and correction values readable from dot-matrix display with illumination option, flash exposure confirmation in the viewfinder of the M9 and M7, and on the flash unit. **Power supply:** optional, four × AA, alkaline batteries (1.5 V), lithium batteries (1.5 V), NiCad rechargeable (1.2 V), NiMH rechargeable (1.2 V), external power pack. **Dimensions (W × H × D):** 71 × 148 × 99 mm ($2^{4}/_{5}$ x $5^{3}/_{5}$ x $3^{1}/_{10}$ in.). **Weight:** approx. 355 g (12 oz) (without batteries). With leather belt pouch and stand. **Accessories:** diffuser for particularly soft flash illumination, Order No.: 14489.

Viewfinder magnifier M 1.25x/Viewfinder magnifier M 1.4x

1.25x Order No. 12004/1.4x Order No. 12006	x	x	x

With leather pouch and black, chrome anodized securing chain. Facilitates picture composition, the considerably larger viewfinder image makes recognizing the image details significantly easier, particularly when using the telephoto lenses of the Leica M-System from 75 to 135 mm. Even more precise focusing thanks to viewfinder magnification. The rubberized eyepiece of the viewfinder protects eyeglasses from scratches. Leica Viewfinder Magnifier M 1.25x is recommended for focal lengths of 50 mm or more. Leica Viewfinder Magnifier 1.4x is recommended for focal lengths of 75 mm or more, convenient viewing of the subject with both eyes thanks to f/1 viewfinder magnification.

Compact charger for digital Leica M (included in the scope of delivery for the Leica M9)

Order No. 14470	compact charger	x		
Order No. 14421	UK power cord	x		
Order No. 14422	AUS power cord	x		

With quick-charger function for charging the battery. It takes up minimal space in the camera case. The LED flashes yellow after about two hours when 80 percent of the charging capacity has been reached. This is sufficient for approx. 400 pictures. EU and USA power cords as well as car charging cable for 12–24 V are included. UK and AUS power cords (100–240 V) are supplied as separate accessories.

Battery for digital M cameras

Order No. 14464	x		

Lithium-ion battery, especially developed for the digital M camera. The permanent monitoring of relevant battery data (e.g. temperature, remaining capacity) guarantees safe and comfortable operation. Nominal voltage 3.7 V, capacity 1900 mAh.

Product						M9	M7	MP
Correction lenses M								
Order No. 14350	+0.5	Order No. 14352	+1.5	Order No. 14354	+3.0	x	x	x
Order No. 14355	-0.5	Order No. 14357	-1.5	Order No. 14359	-3.0	x	x	x
Order No. 14351	+1.0	Order No. 14353	+2.0			x	x	x
Order No. 14356	-1.0	Order No. 14358	-2.0			x	x	x

Optical correction lenses may be screwed into the eyepiece of the viewfinder for viewing without eyeglasses.

Tabletop tripod/ball and socket head

Order No. 14100/order No. 14110	x	x	x

The Leica tabletop tripod and the ball and socket head are especially easy to handle and offer a multitude of applications to prevent camera shake. The legs can be swiveled and fixed at any position. Can also be used as shoulder stock. When folded together, it will fit in any camera case. Sturdy, metal design. Tripod thread A 1/4, DIN 4503 (1/4”).

Bright-Line viewfinder M

Order No. 12022	18 mm, black paint finish	Order No. 12024	21 mm, black paint finish	x	x	x
Order No. 12023	18 mm, silver chrome anodized	Order No. 12025	21 mm, silver chrome anodized	x	x	x
Order No. 12026	24 mm, black paint finish	Order No. 12027	24 mm, silver chrome anodized	x	x	x

Milled from solid brass, in a case made of high-quality napa leather. Very bright picture with bright-line frame for exact determination of the frame. Additional markings for the picture size of the M8 and M8.2. Black paint finish or silver chrome anodized.

Viewfinder for 21/24/28 mm lenses

Order No. 12013	x	x	x

With leather pouch. This viewfinder optionally shows the frame of the wide-angle focal lengths of 21 mm, 24 mm, and 28 mm. The optical correction lenses M may be screwed into the eyepiece of the viewfinder for viewing without eyeglasses. Black anodized finish.

Leica angle finder M

Order No. 12531	x	x	x

The angle finder M shows a segment of the central part of the viewfinder frame of about 8.7 mm in size. It’s fully rotatable mount facilitates the assessment of correct framing in situations such as close-up photography close to the ground. This product is shown on page 58.

Leica universal wide-angle finder M

Order No. 12011	x	x	x

With the Leica universal wide-angle finder M, users can conveniently and precisely assess framing when using lenses with focal lengths of 16–18–21–24–28 mm. It offers frame lines compatible with the M7/MP/M9 models, the cropped frame factor for the M8, as well as parallax compensation for five distance settings; one aspherical and one achromatically corrected lens ensure an extraordinarily brilliant view. An illuminated bubble level enables precise leveling even under adverse lighting conditions. This product is shown on page 60.

Product	M9	M7	MP

Cable release

Order No. 14 076	x	x	x

50 cm long with set screw.

Lens holder

Order No. 14 404		x	x

For fitting onto the camera's baseplate, creates a compact set of photographic equipment with two lenses.

Camera carrying strap à la carte

Order No. 14 453	saddle leather, black	Order No. 14 454	veg.-tanned leather, cognac	x	x	x
Order No. 14 456	napa, racing green	Order No. 14 457	calf leather, smooth, red	x	x	x
Order No. 14 458	calf leather, mocha	Order No. 14 465	reptile texture, black	x	x	x
Order No. 14 466	ostrich texture, black	Order No. 14 467	ostrich texture, chestnut	x	x	x
Order No. 14 468	napa, bordeaux red	Order No. 14 469	calf leather, blue	x	x	x

In the classic narrow design matching the individually produced M camera à la carte.

Ever-ready case M à la carte

				x	x
Order No. 14 857	vegetable-tanned leather, cognac	Order No. 14 858	napa racing, green		
Order No. 14 859	calf leather, smooth, red	Order No. 14 860	calf leather, mocha		
Order No. 14 861	reptile texture, black	Order No. 14 862	ostrich texture, black		
Order No. 14 863	ostrich texture, chestnut	Order No. 14 864	napa, bordeaux red		
Order No. 14 865	calf leather, blue				

Comfort carrying strap

Order No. 14 455	x	x	x

Made of black saddle leather with optimum carrying comfort thanks to a broad shoulder section; slip-fast thanks to micro velour on the inside.

Hand grip M9

Order No. 14 490	steel-grey paint	Order No. 14 486	black paint finish	x		

Improved carrying comfort for extended photo assignments or when working with higher aperture and heavier lenses.

Hand grip M

Order No. 14 405		x	x

For safe and comfortable handling of all Leica M film cameras (except Leica M5) with central tripod thread.

Leicavit M

Order No. 14 009	black paint finish	Order No. 14 450	black chrome-plated		x	x
Order No. 14 008	silver chrome				x	x

Compact, manual, non-battery rapid winder which is attached to the camera in place of the base cover.
It can be used with all Leica MP, M7, M6 TTL, M6, M4-P and M4-2 models.

Rewind crank

Order No. 14 437	silver chrome	Order No. 14 438	black paint finish			x

For fast and comfortable rewinding on cameras with cylindrical rewind knobs. It can be mounted on the rewind knob with a small retaining screw.

Product	M9	M7	MP

Leica motor M

Order No. 14 408		x	x

Extremely small and handy, battery-powered motor drive for Leica M film cameras. **Connecting to cameras:** The motor is mounted on the camera in place of the camera's baseplate using a mechanical connection. **Picture frequency:** Optionally 1.5 or up to 3 pictures per second. **Motor/transmission:** Specially developed DC motor with extraordinarily low-noise friction wheel drive, additional noise reduction at picture frequency of 1.5 pictures/s Capacity (in accordance with Leica's test conditions): at least 100 36-exposure films at 20°C. **Tripod thread:** A1/4 (1/4"), centered below the lens axis. **Dimensions (W × H × D):** 138 ($5^1/_2$ in.) × 78 (3 in.) (with hand grip)/18.5 ($^2/_3$ in.) (to bottom edge of camera) x 56 ($2^2/_5$ in.) mm. **Weight:** approx. 225 g ($7^1/_2$ oz) (without batteries). Not suitable for use with lenses with viewfinder attachment.

Combi bag "Billingham"

Order No. 14 854	black	Order No. 14 855	khaki	x	x	x

The most flexible bag for Leica M equipment holds two M bodies with two lenses or one M body with three lenses. Even large lenses and a mounted Leicavit M or Leica motor M can be comfortably carried in a compact package. The zipper compartment holds the Leica SF 24 D flash as well as films and additional accessories. Waterproof material. Produced exclusively for Leica in the United Kingdom.

Ever-ready case for digital M cameras

Order No. 14 872	x		

Holds an M9 with a lens of up to 60 mm diameter (70 mm as measured from the bayonet mount).
The bottom folds out to allow rapid replacement of batteries or memory cards. Black calf napa leather.

Ever-ready case M with regular or large front

Order No. 14 875		x	x

The ever-ready case M with regular front holds a Leica M camera with one of the following lenses: 2.8/21 mm without lens hood (LH), 2.8/24 mm without LH, 2/28 mm without LH, 1.4/35 mm without LH, 2/35 mm also with LH, 1.4/50 mm, 2/50 mm, 4/90 mm retracted. Black calf napa leather.

Order No. 14 876		x	x

Ever-ready case M with large front also holds a Leica M camera with one of the following lenses: 3.8/18 mm, 2.8/21 mm with LH, 2.8/24 mm with LH, 3.8/24 mm with LH, 2/28 mm with LH, 1.4/35 mm with LH, 2/35 mm with LH, 2.5/35 mm with LH, 1.4/50 mm, 2/50 mm, 2.5/50 mm with LH, 2/75 mm, 2.5/75 mm with LH, 2/90 mm, 2.5/90 mm with LH, 4/90 mm also extended. Black calf napa leather.

Ever-ready case M with Leicavit M

Order No. 14 856			x

Holds a Leica MP with rewind crank and attached Leicavit M. A cutout in the base makes winding the camera easy with the Leicavit M. Robust saddle leather.

Neoprene bag M

Order No. 14 867	with short front	Order No. 14 868	with large front	x	x	x

Black, with strap. Protects the camera and has handy Velcro fasteners as well as two compartments for memory cards. With short front it holds a Leica M camera with a lens of up to 65 mm diameter and 60 mm length. With large front it holds a Leica M camera with a lens of up to 65 mm diameter and 80 mm length.

Protector

Order No. 14 869	x		

Protects the camera housing on tough assignments and improves ergonomics when holding the camera.
With cutout section for the 2.5" display. Black napa calf leather.

LEICA M
TECHNICAL DATA

LEICA M9, LEICA SUMMILUX-M 35 mm f/1.4 ASPH., ISO 160, f/4, 1/500 s

LEICA **M9**

Technical data.

Product	Leica M9	steel-grey paint finish	black paint finish
Order no.		10705	10704
Camera type	Compact digital view and rangefinder system camera.		
Lens attachment	Leica M bayonet with additional sensor for 6-bit coding.		
Lens system	Leica M lenses from 16 to 135 mm.		
Picture format/ Image sensor	5270 x 3516 pixels (18.5 Megapixel) CCD chip, active area approx. 23.9 x 35.8 mm 5212 x 3472 pixels (18 Megapixel) (corresponding to usable format of analog Leica M models).		
Resolution	Adjustable, DNG™: 5212 x 3472 pixels (18 Megapixel), JPEG: 5212 x 3472 (18 Megapixel), 3840 x 2592 (10 Megapixel), 2592 x 1728 (4,5 Megapixel), 1728 x 1152 (2 Megapixel), 1280 x 846 pixels (1 Megapixel).		
Data formats	DNG™ (raw data), choice of uncompressed or slightly compressed (by non-linear reduction of color depth), 2 JPEG compression levels.		
File size	DNG: 18 MB (compressed)/36 MB (uncompressed), JPEG: approx. 2–10 MB.		
Color spaces	Adobe® RGB, sRGB.		
White balance	Automatic, manual, 7 presets, color temperature selection.		
Storage medium	SD cards up to 2GB/SDHC cards up to 32GB.		
Menu languages	German, English, French, Spanish, Italian, Japanese, Traditional Chinese, Simplified Chinese, Russian.		
Compatibility	Windows® XP/Vista®; Mac® OS X (10.5).		
Exposure metering	Exposure metering through the lens (TTL), center-weighted with working aperture. Center-weighted TTL metering for flash exposure with system-compatible SCA-3000/2 standard flash units.		
Measurement principle	Measured by light reflected by bright shutter blades on the first shutter curtain.		
Metering range	(at ISO 160/23°) At room temperature and normal humidity corresponds to EV 0 to 20 or f/1.0 and 1.2 s to f/32 and 1/1000 s. Flashing left triangular LED in viewfinder indicates values below metering range.		
Measurement cell for available light	(continuous light measurement) Silicon photo diode with condensing lens, positioned in the bottom center of the camera base.		
Sensitivity range	ISO 80/19° to ISO 2500/35°, adjustable in 1/3 ISO increments, with aperture priority A and manual exposure setting, choice of automatic control or manual setting, automatic control with snapshot profile.		
Exposure mode	Choice of automatic shutter speed control with manual aperture selection – aperture priority A – with corresponding digital display, or manual setting of shutter speed and aperture and adjustment using LED light balance with indication of correct exposure, or risk of overexposure/camera shake (with snapshot profile only).		
Flash exposure control			
Flash unit connection	Via accessory shoe with center and control contacts.		
Synchronization	Optional synchronization on first or second shutter curtain.		
Flash sync speed	⌿ = 1/180 s; longer shutter speeds possible.		
Flash exposure metering	(with SCA-3501/3502 adapter or SCA-3000 standard flash unit, e.g. Leica SF 24D/Leica SF 58). Control with center-weighted TTL-pre-flash metering.		
Flash measurement cell	2 silicon photo diodes with condensing lens in camera base.		
Flash exposure compensation	±3 1/3 EV in 1/3 EV steps adjustable on the SCA-3501/3502 adapter. On Leica SF 24D, ±3 EV in 1/3 EV- steps with computer control, or from 0 to –3 EV in 1 EV-steps/on Leica SF 58 adjustable in all modes ±3 EV in 1/3 EV-steps.		
Displays in flash mode	Flash readiness: flash symbol LED in viewfinder constant. Correct flash exposure: LED constant or flashes rapidly after exposure. Underexposure: LED extinguished after exposure.		
Viewfinder			
Viewfinder principle	Large, bright-line frame viewfinder with automatic parallax compensation.		
Eyepiece	Adjusted to -0.5 dpt. Correction lenses from -3 to +3 dpt. available.		

Image framing	By activating two bright-line frames: For 35 and 135 mm, 28 and 90 mm, or for 50 and 75 mm. Automatic activation when lens is attached. Any pair of bright-line frames can be activated using the image field selector.
Parallax compensation	The horizontal and vertical difference between the viewfinder and the lens is automatically compensated according to the relevant distance setting, i.e. the viewfinder bright-line automatically aligns with the subject detail recorded by the lens.
Matching of viewfinder and actual picture	The size of the bright-line frame corresponds exactly to the sensor size of approx. 23.9 x 35.8 mm at a setting distance of 1 meter. At infinity setting, depending on the focal length, approx. 7.3% (28 mm) to 18% (135 mm) more is recorded by the sensor than indicated by the corresponding bright-line frame and slightly less for distances shorter than 1m.
Enlargement	(for all lenses) 0.68x.
Large basis rangefinder	Split or superimposed image range finder shown as a bright field in the center of the viewfinder image.
Effective rangefinder base	47.1 mm (actual rangefinder base 69.25 mm x viewfinder enlargement 0.68x).
Displays	
Viewfinder	(lower edge) LED symbol for flash status. Four-digit seven-segment digital display with dots above and below, display brightness adjusted for ambient brightness, for: Warning of exposure compensation, display for automatically generated shutter speeds in aperture priority mode, indication of use of metering memory lock, warning that the metering or setting ranges are over- or underexposed using aperture priority and counting down exposures longer than 2s.
	LED light balance with two triangular and one central circular LED for manual exposure setting. The triangular LEDs give the direction of rotation of the aperture setting ring and shutter speed setting dial to adjust the exposure. Also as warning for over- or underexposure.
On rear panel	2,5" monitor (color TFT LCD) with 230,000 pixels.
Shutter and release	
Shutter	Microprocessor-controlled, exceptionally low-noise metal blade shutter with vertical movement.
Shutter speeds	For aperture priority (A) continuously adjustable from 32 s to 1/4000 s. For manual setting 8 s to 1/4000 s in half steps, B for long exposures of any duration (in conjunction with self timer T function, i.e. 1st release = shutter opens, 2nd release = shutter closes), ⌿ (1/180 s) fastest shutter speed for flash synchronization.
Shutter cocking	Using low-noise integral motor, optionally after releasing the shutter release button.
Series exposures	Approx. 2 pictures/s, ≤ 8 pictures in series.
Shutter release	Three levels: Exposure metering on – Metering memory lock (in aperture priority mode) – Shutter release. Integrated standard cable release thread.
Self timer	Delay optionally 2 (aperture priority and manual exposure setting) or 12 s (menu setting), indicated by flashing LED on front of camera and corresponding display on the monitor.
Switching the camera on/off	Using the main switch on the camera's top panel, selectable automatic power-off for camera electronics after about 2/5/10 minutes, reactivation by pressing the shutter release button.
Power supply	1 lithium ion battery, nominal voltage 3.7 V, capacity 1900 mAh. Capacity display in monitor, when shutter held open (for sensor cleaning) additional acoustic warning when capacity is low.
Charger	Inputs: 100–240 V AC, 50/60Hz, automatic switching, or 12/24 V DC; Output: 4.2V DC, 800 mA.
Camera housing	
Material	All-metal die cast magnesium body, KTL dip painted, synthetic leather covering. Top deck and baseplate in brass, black, or steel-grey paint finish.
Image field selector	Allows the bright-line pairs to be manually displayed at any time (e.g. for framing comparisons).
Tripod thread	Stainless steel, A 1/4 (1/4") DIN, in baseplate.
Operating conditions	0 to +40°C
Interface	5-pin mini-USB 2.0 High-Speed socket for fast data transfer.
Dimensions	(Width x Depth x Height) approx. 139 x 37 x 80 mm ($5\,^1/_2$ x $1\,^1/_2$ x $3\,^1/_6$ in.).
Weight	585 g (19.8 oz) (with battery).
Included extras	Charger 100–240 V with 2 mains cables (EU, USA, different in some export markets) and 1 car charger, lithium ion battery, USB cable, carrying strap.

*Subject to changes in design, manufacture, and scope.

LEICA **M7/MP**

Technical data.

Product	Leica M7	silver	black	Leica MP	silver	black
Order-No.		10 504	10 503		10 301	10 302
Camera	Compact 35 mm rangefinder system camera with electronically controlled shutter and two mechanically controlled shutter speeds.			Compact 35 mm rangefinder system camera with mechanically controlled shutter.		
Lenses Lens mount	Leica M bayonet mount.			Leica M bayonet mount.		
Lens system	Leica M lenses from 21–135 mm.			Leica M lenses from 21–135 mm.		
Viewfinder						
Viewfinder principle	Large, bright line frame viewfinder with automatic parallax compensation. Optimized flare resistance and reduced stray light sensitivity and optimum visibility of all bright line frames.					
Eyepiece	Calibrated to – 0.5 dpt. Correction lenses from – 3 to + 3 dpt. available.					
Image framing	Bright line frames activated in pairs: for 28 and 90 mm, 35 and 135 mm or 50 and 75 mm. Automatically displayed when the lens is mounted. The preview selector can be used to display each of the pairs of frames. Alternative bright line frame configurations are available as part of the Leica à la carte range.*					
Parallax compensation	The horizontal and vertical difference between the viewfinder and the lens is automatically compensated in line with the current distance setting, i.e. the bright line frame in the viewfinder automatically covers the section of the subject that will be captured by the lens.					
Correlation between viewfinder and film images	At the shortest possible distance setting for each focal length, the bright line frame size corresponds to an image size of approx. 23 x 35 mm. When set to infinity, depending on the focal length between 9% (28 mm) and 23% (135 mm) more is captured by the film than is shown in the corresponding bright line frame.					
Magnification	0.72x (for all lenses). Alternative viewfinder magnifications of 0.85x and 0.58x are available as part of the Leica à la carte range.*					
Wide-base rangefinder	Split and superimposed image rangefinder displayed as a bright field in the centre of the viewfinder image. Effective measuring basis 49.9 mm (actual measuring base 69.25 mmx viewfinder magnification 0.72x). For the alternative viewfinder magnifications of 0.85x and 0.58x available as part of the Leica à la carte range, it is 58.9 mm (actual measuring base 69.25 mm x viewfinder magnification 0.85x) and 40.2 mm (actual measuring base 69.25 mm x viewfinder magnification 0.58x) respectively.					
Exposure metering						
	Exposure metering through the lens (TTL), selectively with working aperture.					
Metering principle	Measures light reflected by a metering spot in the center of the first shutter curtain. The metering spot has a diameter of 12 mm and thus corresponds to approx. 13% of the full film format or approx. 2/3 of the short side of the respective bright line frame in the viewfinder.					
Metering range	(For ISO 100/21°) From 0.03 to 125,000 cd/m² at room temperature, normal humidity and f/1.0. For ISO 100/21° this corresponds to EV-2 to 20 or f/1 and 4 s (B setting on Leica MP) to f/32 and 1/1000 s. A flashing left-hand triangular LED in the viewfinder indicates that the brightness reflected is below the metering range.					
Metering cell	Silicon photodiode with condensing at the top left behind the bayonet.					
Exposure control	Choice of automatic control of shutter speed – with corresponding digital display – with manual aperture selection (automatic mode) or manual shutter speed and aperture setting with adjustment using LED light balance.			Manual shutter speed and aperture setting and adjustment using LED light balance.		
Film speed range	Choice of automatic setting from ISO 25/15° to ISO 5000/38° for DX coded films or manual setting from ISO 6/9° to ISO 6400/39°. Setting an additional exposure compensation (± 2 EV) allows speeds of ISO 1.5/3° to ISO 25000/45° to be used.			Manual setting from ISO 6/9 to ISO 6400/39°.		

Product	Leica M7	silver	black	Leica MP	silver	black
Viewfinder displays (at lower edge)						
	LED light balance with two triangular LEDs and a central circular LED to adjust the exposure (on Leica M7 for manual setting only). ▸ Underexposure of at least one stop. ▸ ● Underexposure of 1/2 stop. ● Correct exposure. ● ◂ Overexposure of 1/2 stop. ◂ Overexposure of at least one stop. Triangular LEDs give the required direction to rotate the aperture dial and (on Leica M7 only) the shutter speed dial to adjust the exposure. The LEDs flash to warn that the brightness reading is above or below the metering range.					
	LED symbol for flash status, four-digit, seven-segment LED digital display with points above and below (display brightness adapted to outside brightness) for: Film speed information, exposure correction warnings, automatically set shutter speed in automatic mode, indication of use of stored exposure setting, indication of brightness readings above or below the metering range in automatic mode, and progress of shutter speeds slower than 2 seconds.			LED symbol for battery status.		
Flash exposure metering and control						
Flash unit connection	Using accessory hot shoe with center contacts or standard flash connector socket.			Using accessory hotshoe with center contact and/or standard flash connector socket.		
Flash synchronization speed	⚡ = 1/50 s; slower shutter speeds can be used (with manual setting only on Leica M7).					
	Automatic setting in AUTO mode ; faster shutter speeds (1/250 s, 1/500 s, 1/1,000 s) available with manual setting if the connected flash unit has the "High Speed Synchronization" function and an SCA-3502 adapter is used.			–		
Synchronization time	Optionally with 1st or 2nd shutter curtain (with appropriate flash unit and SCA-3502 adapter).			With 1st shutter curtain.		
Exposure metering/ metering characteristics	(With SCA-3501/3502 adapter or SCA-3000 standard flash unit, e.g. Leica SF 20/SF 24D) TTL control with center-weighted integral metering.			Separate computer control of flash unit or guide number calculation and manual setting of required aperture.		
Metering cell	Silicon photodiode with condensing lens at the lower right behind bayonet.			–		
Film speed range for TT L flash exposure metering	ISO 12/12° to 3200/36°			–		
Flash exposure compensation	±3 1/3 EV in 1/3 EV increments on SCA-3501/3502 adapter.			–		
	On Leica SF 20/SF 24D, ± 3 EV in 1/3 EV increments or from 0 to –3 EV in 1 EV increments with computer control.					
Displays in flash mode	Ready: Constant illumination of flash symbol LED in viewfinder. Confirmation: continued illumination or brief rapid flashing of LED after exposure. Underexposure indicated by LED temporarily going out.			–		

LEICA **M7/MP**

Technical data.

Product	Leica M7 silver	Leica M7 black	Leica MP silver	Leica MP black
Shutter and shutter release				
Shutter	Rubberized cloth focal plane shutter with horizontal movement; extremely quiet.			
	Electronically controlled with two mechanically controlled shutter speeds, 1/60 s and 1/125 s.		Mechanically controlled.	
Shutter speeds	In automatic mode (AUTO), continuous from 32 s to 1/1000 s. ith manual setting 4 s to 1/1000 s in whole increments.		1 s to 1/1000 s in whole increments.	
	B for very long exposures of any duration, (1/50 s) for flash synchronisation.			
Shutter release	Three stage: Power up – Exposure value storage (in automatic mode) – Release.		Two stage: Power up (activate exposure meter) – Release.	
Film transport				
Loading	Manual film loading after opening baseplate and rear panel.			
Advance	Manually with quick-wind lever or Leicavit M or motorized using Leica Motor M, Leica Winder M, Leica Winder M4-P or Leica Winder M4-2 (from serial no. 10 350).			
Rewind	Manually with extending rewind button (on Leica MP, rewind crank available as part of Leica à la carte range and attachable rewind crank available as an accessory) or rewind crank (Leica M7) after turning R lever on front of camera.			
Frame counter	On top of camera. Automatic reset after removing baseplate.			
Camera body				
Material	Enclosed all metal body with hinged rear panel. Brass top and baseplate.			
	Silver or black chrome finish.		Silver chrome finish or black lacquered.	
	All variations are available for both cameras as part of the Leica à la carte range.			
Tripod thread	A 1/4 (1/4") DIN in baseplate.			
Power supply	6 V from 2 lithium cells, type DL 1/3 N. Battery monitoring by flashing of LEDs in digital display or light balance or by illumination of bc display or all LEDs going out.		(Only required for exposure metering and display) 3 V from 2 silver oxide button cells, type PX 76/SR 44 or from 1 lithium cell, type DL 1/3 N. Battery monitoring by illumination of battery warning display with light balance LEDs (1st level), light balance LEDs going out (2nd level) or all LEDs going out.	
Dimensions (W x H x D)	Approx. 138 x 79.5 x 34 mm (5 1/2 x 3 1/6 x 1 1/2 in.).		Approx. 138 x 77 x 34 mm (5 1/2 x 3 x 1 1/2 in.).	
Weight (without batteries)	Approx. 610 g (20.6 oz).		Approx. 585 g (19.8 oz).	
Items supplied	Carrying strap with non-slip pad (14 312), camera cover with M bayonet (14 195), flash contact shoe connector (14 348) and batteries.			

*For the possible combinations, the bright line frames (pairs) displayed in each case, and further details of the equipment options in the Leica à la carte range, please refer to our homepage: www.leica-a-la-carte.com.

LEICA **M-LENSES**

Technical data.

Leica M-Lenses	**No. of lens elements** elements/ groups	**Angle of view** diagonal in °	**Filter size** Ø in mm	**Dimensions** Ø x L from bayonet flange in mm	**Weight** black/ chrome in g	**Closest focus distance** from film plane, in mm	**Smallest image field** in mm	**Largest reproduction scale**
Leica Tri-Elmar-M 16–18–21 mm f/4 ASPH.	10/7	107/100/92	E67 (Adapter 14473)	58 x 72	335	50	725 x 1087	1:30
Leica Super-Elmar-M 18 mm f/3.8 ASPH.	8/7	100	E 77 (Adapter 14484)	61 x 58	310	70	827 x 1241	1:34.6
Leica Summilux-M 21 mm f/1.4 ASPH.	10/8	92	Serie VIII	69,5 x 77	580	70	685 x 1027	1:29
Leica Elmarit-M 21 mm f/2.8 ASPH.	9/7	92	55	58 x 46	300	70	685 x 1027	1:29
Leica Summilux-M 24 mm f/1.4 ASPH.	10/8	84	Serie VII	61 x 76	500	70	615 x 922	1:26
Leica Elmarit-M 24 mm f/2.8 ASPH.	7/5	84	55	58 x 45	290	70	615 x 922	1:26
Leica Elmar-M 24 mm f/3.8 ASPH.	8/6	84	46	53 x 57	260	70	615 x 922	1:26
Leica Summicron-M 28 mm f/2 ASPH.	9/6	75	46	53 x 40.8	270	70	533 x 800	1:22
Leica Elmarit-M 28 mm f/2.8 ASPH.	8/6	75	39	52 x 46	180	70	533 x 800	1:22
Leica Summilux-M 35 mm f/1.4 ASPH.	9/5	63	46	53 x 46.2	320	70	419 x 627	1:17.5
Leica Summicron-M 35 mm f/2 ASPH.	7/5	63	39	53 x 34.5	255/340	70	419 x 627	1:17.5
Leica Summarit-M 35 mm f/2.5	6/4	63	39	51 x 34	220	80	490 x 735	1:20.4
Leica Noctilux-M 50 mm f/0.95 ASPH.	8/5	47	60	73 x 75	700	100	406 x 608	1:17
Leica Summilux-M 50 mm f/1.4 ASPH.	8/5	47	46	53,5 x 52.5	335/465	70	271 x 407	1:11.3
Leica Summicron-M 50 mm f/2	6/4	47	39	53 x 43.5	240	70	271 x 407	1:11.3
Leica Summarit-M 50 mm f/2.5	6/4	47	39	52 x 33	230	80	338 x 508	1:14
Leica APO-Summicron-M 75 mm f/2 ASPH.	7/5	32	49	58 x 67	430	70	169 x 254	1:7
Leica Summarit-M 75 mm f/2.5	6/4	32	46	55 x 61	345	90	238 x 357	1:10
Leica APO-Summicron-M 90 mm f/2 ASPH.	5/5	27	55	64 x 78	500	100	220 x 330	1:9
Leica Summarit-M 90 mm f/2.5	5/7	27	46	55 x 67	360	100	213 x 320	1:8.9
Leica APO-Telyt-M 135 mm f/3.4	5/4	18	49	58.5 x 104,7	450	150	220 x 330	1:9
Leica Macro-Elmar-M 90 mm f/4	4/4	27	39	52 x 59/ 41**	240	77/50*	161 x 241/ 72 x 108*	1:6.7/1:3*

* with Macro-Adapter M
** collapsed

LEICA
CAMERAS AND SPORT OPTICS

LEICA M9, LEICA APO-SUMMICRON-M 75 mm f/2 ASPH., ISO 200, f/2, 1/180 s

LEICA **CAMERAS**

The fascination with perfect pictures.

Leica Camera is a name that stands for the best in German precision engineering and craftsmanship – and for a very special pictorial culture. Consider the eyes, the sense organs that make the most significant contribution to our perception and understanding of the world around us. Leica has been acclaimed as a specialist on the subject of perception for many years, and has designed and manufactured many innovative instruments capable of creating distinctive visual experiences for users as well as viewers. Examples include the legendary Leica cameras and lenses, and equally superb projectors. One over-arching aspect stands out above all – the unmistakable Leica quality of their optical performance for both film and digital photography. All are expandable systems – intuitive in use and elegant in design – that retain enduring value while guaranteeing superior imaging results and boundless creative freedom.

LEICA S2

With the new Leica S2, Leica has created a new reference standard in professional digital photography. The Leica S system breaks down the traditional barriers between 35 mm and medium format photography. For the first time ever, the S2 provides the handling and size of a 35-mm camera and a level of performance and image quality that sets new standards in medium format photography – to deliver supreme image quality and maximum creative potential.

LEICA M9

The latest landmark in the professional Leica rangefinder system. The Leica M9 offers the unmatched combination of a high-performance full-format 24 × 36 mm sensor with rangefinder technologies refined and optimized over more than half a century. It is a digital system camera placed at the absolute zenith of modern technology that delivers uncompromising image quality to satisfy the demands of the most sophisticated creative photographers.

LEICA X1

The design of this elegant new compact member of the Leica camera family is clearly reminiscent of the classic M cameras, but its beauty is more than skin deep. It is equipped with a CMOS sensor equal in size to that of many DSLR cameras, and it's fitted with one of the very best Leica lenses, enabling it to stand on its own even with the big boys in terms of image quality. As an optional alternative to its impressive array of manual functions, it provides automatic features, such as autofocus, making it a convenient companion for any discerning camera user.

LEICA D-LUX 4

The first digital Leica compact camera with Leica system character, the Leica D-Lux 4 offers maximum Leica quality in every respect, providing photographers with a broad spectrum of creative freedom. It quickly becomes a small system camera by adding accessories that offer even more picture-taking flexibility – ideal for both meticulously composed photographs and spontaneous snapshots.

LEICA PRADOVIT D-1200

Leica Pradovit projectors are the logical solution for the ultimate in high quality image projection. Compact, lightweight, and elegant in design, the superior optical performance and precision of the Leica Pradovit D-1200 high-end digital projector has been universally acclaimed by users and technical experts alike. With a weight of only 3.5 kilograms (7.7 lbs), it is the smallest and lightest digital projector in its class to deliver true photorealistic reproduction.

LEICA **SPORT OPTICS**

The fascination with the world of nature.

All products manufactured by Leica are characterized by an uncompromising dedication to quality and outstanding optical performance. This, of course, also applies to the Leica Sport Optics division, where new standards are set time and time again – with a commitment to bringing the world of nature closer to hunting enthusiasts and lovers of the great outdoors with unrivaled authenticity. Leica Sport Optics designs and manufactures superior quality binoculars, spotting scopes, and rangefinders that guarantee that every special moment becomes a truly memorable visual experience. Each one of them embodies something special and unique in its own way – just like the world of nature.

BINOCULARS

Leica has been the name standing for unparalleled excellence and quality in the construction of binoculars for over 100 years. With the different classes, Ultravid, Duovid, and Trinovid compact, Leica Sport Optics offers high-precision binoculars for every purpose – all of them providing superbly detailed viewing, exceptional low-light characteristics, extreme color fidelity, and high contrast. Leica developments set new standards in the never-ending quest for incomparable visual excellence. Key innovations include such landmark developments as fluoride glass lenses for perfect color fidelity and optimum contrast, and water- and dirt-repellent surface coatings like Leica AquaDura™.

View of 10 × 42 ULTRAVID HD

RANGEFINDERS

In the early 1980s, Leica became the first optical systems specialist to successfully integrate a laser rangefinder into a pair of high-performance binoculars. Then as now, the pioneers of the Geovid line are still unrivaled in performance. The current successor with a range of up to 1,300 m (more than 1,400 yards) is constructed with fluoride glasses for perfect viewing quality as well as a water and dirt repellent AquaDura™ coating on all external surfaces. In addition to binocular Geovid models, the range of laser rangefinders is further complemented by the monocular Rangemaster CRF models.

View of 8 × 56 GEOVID HD

SPOTTING SCOPES

Leica clearly leads this field with the APO-Televid series of high performance spotting scopes. Both the impressively bright and brilliant 82 models and the 65 models deliver impressive performance due to their sophisticated apochromatic optics and the use of the latest fluoride glass formulations – for perfect viewing performance with maximum color fidelity, even at extreme distances. Both spotting scopes are available in versions for straight or angled viewing.

View of the APO TELEVID 82

DIGISCOPING

Leica is the only optical systems manufacturer in the premium segment to offer a complete solution that provides a perfect combination of viewing and image capture from one single source. With the Leica D-Lux 4 digital adapter, the APO-Televid Spotting Scope can be simply and quickly attached to the Leica D-Lux 4 digital compact camera. This combination transforms the Televid into a super telephoto digital camera system with an effective focal length of over 3000 mm. The new Leica tripods with the DH1 head specially optimized for digiscoping are ideal accessories to perfect the digiscoping experience.

Illustration shows:
LEICA D-LUX 4 with LEICA D-LUX 4 DIGISCOPING-ADAPTER
LEICA APO TELEVID 82 with LEICA 25–50xWW ASPH. EYEPIECE
LEICA TRIPOD HEAD DH1 with LEICA TRIPOD TRICA 1

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