



Press information

The Leica APS-C System:

high quality cameras and lenses that impress with compact size, stylish design, intuitive handling and exceptional picture quality.

Wetzlar, 21 November 2017. Leica Camera AG has expanded its APS-C System product portfolio. The Leica TL2 has now been joined by the Leica CL, a further camera with a high-resolution, 24 MP, APS-C format sensor. Also new in the system is the Elmarit-TL 1:2.8/18 ASPH. lens. This wide-angle offers imaging performance and compact dimensions that ideally complement both cameras and is available not only in black, but also in a silver anodised version. Thanks to these new additions, the Leica APS-C System now offers a diversified portfolio of cameras and lenses that combine compact design with exceptional picture quality and enable users to experience a truly special kind of photography.

Both camera models, the Leica CL and the Leica TL2, are made in Germany. In technical terms, they are equals, but could hardly be more different with regard to their design and handling concepts: reflecting the traditions of Leica in the form of the iconic Leica CL and, in contrast, the futuristic look of the Leica TL2.

The Leica CL is an intuitive tool, with all essential controls located on its top plate. In addition to the high-resolution electronic viewfinder, there are two dials for setting the aperture, shutter speed ISO value, and exposure compensation. Everything is so conveniently located that photographs can be made without taking the camera from the eye. An additional display on the top plate instantly provides information about all relevant settings and exposure parameters. Together with the perfectly defined release pressure point, this ensures that users have absolute control over every picture they take with the Leica CL.

The Leica TL2 impresses with its unmistakable looks, the haptic experience and its handling concept. The heart and soul of the handling concept – from settings, capturing and reviewing images to menu navigation – is a clearly laid out, bright, high-contrast 3.7-inch touchscreen with control functions similar to those of a smartphone. It also has four haptic, ergonomically positioned control elements that enable users to concentrate on composing their subjects without any unnecessary distractions. The creative freedom and convenience offered by the Leica TL2 can also be further expanded with a state-of-the-art Visoflex electronic viewfinder.

Both camera models can take advantage of an extensive portfolio of TL-Lenses. The lenses offer superior imaging performance and are responsible for the exceptionally high picture quality delivered by the Leica APS-C System. The portfolio of compact and fast lenses with focal lengths from 17 to 200 mm offers infinite opportunities for all kinds of creative photography. The elegant simplicity of the design of the three zooms – the Super-Vario-Elmar-TL 1:3.5–4.5/11–23 ASPH., Vario-Elmar-TL 1:3.5–5.6/18–56 ASPH. and the APO-Vario-Elmar-TL 1:3.5–4.5/55–135 ASPH. – and four prime lenses – the Elmarit-TL 1:2.8/18 ASPH., Summicron-TL 1:2/23 ASPH., Summilux-TL 1:1.4/35 ASPH. and the APO-Macro-Elmarit-TL 1:2.8/60 ASPH. – perfectly complement the Leica CL and the Leica TL2, not only in terms of technology, but also in looks.

Developed by optical engineering specialists in Wetzlar, the Leica TL-Lenses all offer the exceptional imaging performance for which Leica lenses are famed. The combination of optical and precision engineering expertise and the use of finest materials in their construction ensures their constant quality and reliability in use. Thanks to the L-Bayonet mount shared by the Leica TL- and SL-Systems, SL-Lenses can also be used without an adapter on the CL and the TL2. Appropriate adapters are also available for using Leica M- and R-Lenses on the cameras.

An extensive range of technical- and style-accessories ideally complements the APS-C System.

The black version of the Leica CL will be available from the end of November. The Leica TL2 is offered in a choice of two colour options, black and silver.

Technical Data

Leica CL

Camera type:	Digital APS-C system camera
Lens mount:	Leica L bayonet with contact strip for communication between lens and camera
Compatible lenses:	Lenses with Leica L-Mount, Leica M/R lenses using the Leica M-Adapter L/R-Adapter L
Sensor:	APS-C sized CMOS sensor (23.6 x 15.7 mm) with 24.96/24.24 million pixels (total/effective), aspect ratio 3:2
Photo Resolution:	DNG: 6016 x 4014 Pixels (24 Megapixels), JPEG: optional 6000 x 4000 Pixels (24 Megapixels), or 4272 x 2856 Pixels (12 Megapixels), or 3024 x 2016 Pixels (6 Megapixels)
Photo file formats/compression Rates:	Optional: DNG, JPG or DNG + JPG
Video recording format:	MP4
Video resolution/frame Rate:	Optional: 3840 x 2160 p (4K) 30 fps, 1920 x 1080 p (FHD) 60 fps, 1920 x 1080 p (FHD) 30 fps or 1280 x 720 p (HD) 30 fps
Video recording time:	Depending on ambient or housing temperature video recordings are possible up to a maximum length of 29 minutes, maximum file size is 4 GB, if a recording exceeds this limit, the respective part is automatically stored in another file
Storage media:	SD/SDHC/SDXC memory cards, multimedia cards, UHS II-standard is supported
ISO range:	Automatic, ISO 100 to ISO 50000
White balance:	Automatic, presets for daylight, cloudy, halogen lighting, shadow, electronic flash, two memory slots for manually metered settings, manual color temperature setting
Autofocus system:	Contrast-based
Autofocus metering Methods:	Single point, multi-zone, spot, face detection, touch AF Exposure modes Automatic program, aperture priority, shutter speed priority, and manual setting, Fully automatic, sport, portrait, landscape, night portrait, snow/beach, fireworks, candlelight, sunset, digiscoping
Scene Modes:	Fully automatic, sport, portrait, landscape, night portrait, snow/beach, fireworks, candlelight, sunset, digiscoping, miniature, panorama, HDR
Exposure Metering Methods:	Multi-zone, center-weighted, spot
Exposure compensation:	+/-3 EV in 1/3 EV increments
Automatic exposure Bracketing:	Three pictures in graduations up to +/- 3EV, adjustable in 1/3 EV increments
Shutter speed range:	30 s to 1/25000 s (up to 1/8000 s with mechanical, beyond that with electronic shutter)
Picture series:	Max. approx. 10 fps with mechanical shutter/ 10 fps with electronic shutter function, max. approx. 33

	pictures (DNG+JPG) and max. approx. 140 pictures (JPG only) at full speed, then depending on memory card properties
Flash modes:	Adjustable with attached, system compatible flash
Flash exposure compensation:	+/-3 EV in 1/3 EV increments
Flash synchronization:	1/180 s
Monitor:	3" TFT LCD, 1.04MP, touch and gesture control possible
Viewfinder Resolution:	1024 x 768 pixels (2.36 MP), enlargement: 0.74x, aspect ratio: 4:3, eye relief: 20 mm, eyepiece: adjustable +/- 4 dioptres, with eye sensor for automatic switching between viewfinder and monitor
Top-Display:	Resolution: 128 x 58 pixels
ISO Accessory shoe:	ISO accessory shoe with center and control contacts for Leica flash units
Self-Timer:	Selectable delay time 2 or 12 s
WLAN:	Complies with IEEE 802.11b/g/n standard (standard WLAN protocol), channel 1-11, encryption method: WiFi-compatible WPA™/WPA2™
Power supply:	Leica BP-DC12 lithium ion battery, rated voltage 7.2 V (7.2 V D.C.), capacity 1200 mAh, (based on CIPA standard): approx. 220 pictures, charging time (after total discharge): approx. 140 min manufacturer: Panasonic Energy (Wuxi) Co., Ltd. made in China
Charger:	Leica BC-DC12, input: AC 100-240 V, 50/60 Hz, automatic switching, output: DC 8.4 V 0.65 A, manufacturer: Shin Tech Engineering Ltd., Made in China
Body:	Top and bottom covers: milled and anodized Aluminum, front and rear body shells: Magnesium
Tripod thread:	A 1/4 DIN 4503 (1/4")
Body dimensions (WxHxD):	131 x 78 x 45 mm
Weight:	Approx. 403 g/353 g (with/without battery)
Scope of delivery:	Camera body, bayonet cap, carrying strap, accessory shoe cover, battery (Leica BP-DC12), charger (Leica BC-DC 12), mains cables (EU, US, local mains cable)
Software:	Leica CL App (remote control and picture transfer, free download in Apple™ App-Store™ / Google™ Play Store™)

Technical data**Leica Elmarit-TL 1:2.8/18 ASPH.****Compatible cameras:**All Leica cameras with Leica L bayonet¹**Angle of view**

(diagonal, horizontal, vertical):

Approx. 75°, 65°, 46°, corresponding to around 27mm focal length in 35mm format

Optical design

Number of lenses / groups:

8 / 6

Aspherical surfaces:

4

Position of entrance pupil
(at infinity):

-12.5mm (in direction of light incidence in front of bayonet mount)

Distance setting

Setting / Function:

Electronically controlled, mode selectable using camera menu: Automatic (AF) or manual (M), in AF mode manual override possible at any times with setting dial

Focusing range:

0.3m to ∞

Smallest object field /

Largest scale:

Approx.: 343 x 228mm / 1:14

Aperture

Setting / Function:

Electronically controlled, adjustment using dial on camera, third values also available

Lowest value:

16

Lens mount:

Leica L bayonet with contact strip

Filter mount:

Internal thread for E39 filters, filter mount does not rotate

Finish:

Black/silver anodized

Dimensions and weight

Length to bayonet mount:

Approx. 21mm

Largest diameter:

Approx. 61mm

Weight:

Approx. 80g

¹ When used on the Leica SL, the camera automatically switches to the appropriate APS-C format for this lens (23.6 x 15.7mm). Therefore, all data listed above remains valid in such cases also.