



## Press information

### **Leica X-U – the new outdoor camera guarantees uncompromising picture quality under even the harshest conditions**

**Wetzlar, 20 January 2016.** Leica Camera AG expands its range of cameras with the first ruggedised model conceived especially for outdoor use – the Leica X-U. With a fast Leica Summilux 23 mm f/1.7 ASPH. lens (equivalent to 35 millimetres in 35-mm format) with an underwater protection filter and large APS-C format CMOS sensor, the latest, fully-waterproofed member of the Leica X family guarantees pictures with exceptional brightness and clarity under even the harshest conditions. It even enables breathtaking underwater moments to be captured in perfect detail at depths of up to 15 metres. Extreme ruggedness and easy handling make the shock-resistant, winterised, dust-sealed, and shatter proof Leica X-U the ideal companion for every outdoor tour or expedition – for action and underwater adventures, for travel, architecture and landscape photography or videos in full HD quality.

Optimum picture quality with the Leica X-U is guaranteed by the familiar, cutting-edge technology of the cameras of the Leica X family. In combination with the professional APS-C format CMOS sensor with over 16.5 megapixels (effective 16.2 MP), its Leica Summilux 23 mm f/1.7 ASPH. premium lens ensures natural colour reproduction and maximum detail resolution, even at its closest focusing distance of 20 centimetres. Its fast maximum aperture of f/1.7 also offers the freedom to explore the particularly fascinating creative possibilities of selective focusing. Thanks to its reliable resistance to stray light and flare, the Leica X-U is also the first choice for all indoor and outdoor lighting conditions – at any time of day or night and in any situation.

The stylish and minimized design of the Leica X-U – made in Germany – is the work of Audi Design. The camera is not only an absolute eye-catcher, it also ensures concentration only

on things that really count: easy and intuitive handling and ultimate precision. With a top plate made from premium aluminium and high-grip TPE armouring, the body guarantees not only an exceptional haptic experience and impressive durability, but also water resistance to a depth of up to 15 metres. With control dials in anodised aluminium and an integrated flash above the lens, the Leica X-U is a perfect example of exceptional quality and attention to details. Its non-slip body, an especially hardened protective cover for the monitor screen, and a failsafe double locking system for the battery compartment and memory card slot ensure that photographers can concentrate fully on their subject with no worries at all.

The minimized and intuitive handling concept of the Leica X-U provides the most important tools for the essence of creative freedom – intensely focused and without superfluous extras. Thanks to its easy-to-use, Leica-typical dial controls, aperture and shutter speed can be set individually in seconds for every picture. The practical underwater snapshot button makes it ready for capturing the wonders of the underwater world at the press of a button – without having to search through a menu. Thanks to a wide range of practical automatic functions and a high-resolution, 3-inch monitor screen, it takes only seconds to find precisely the settings needed to avoid missing the decisive moment.

As a single photo is sometimes not enough to capture the dynamic character of a scene in the most moving moments of life, the full HD video function of the Leica X-U makes it easy to capture moving pictures in cinema quality and preserve the moving moments of journeys and adventures for eternity. The camera records video in a choice of 1920 x 1080 or 1280 x 720 pixel resolution at 30 full frames per second in MP4 video format. No matter whether recordings are intended for professional movie productions or as home movies to share with friends, the Leica X-U always delivers high-quality results that perfectly capture the mood.

The Leica X-U (Typ 113) is on sale now.

**For more information, please contact:**

Sandra Looke  
Corporate Communications  
Leica Camera AG  
Phone +49 (0)6441 2080 404  
[sandra.looke@leica-camera.com](mailto:sandra.looke@leica-camera.com)

## Technical Data

## LEICA X-U (Typ 113)

<b>Sensor:</b>	CMOS sensor, size APS-C (23.6 x 15.7mm) with 16.5/16.2 million pixels (total/effective), format aspect ratio 3:2
<b>Resolution:</b>	Selectable for JPEG format: 16 MP - 4928 x 3264 pixels, 12,2 MP - 4272 x 2856 pixels, 7 MP - 3264 x 2160 pixels, 3 MP - 2144 x 1424 pixels, 1,8 MP - 1632 x 1080 pixels, DNG: 4944 x 3278 pixels
<b>Video Recording Format:</b>	MP4
<b>Video Resolution/</b>	
<b>Image Sequence Rate:</b>	Selectable, 1920 x 1080p, 30fps or 1280 x 720p, 30fps
<b>Lens:</b>	Leica Summilux 23mm f/1.7 ASPH. (equals 35mm field of view in 35mm-format), 10 lens elements in 8 groups, 4 aspherical surfaces, UW protective glass
<b>Aperture Setting:</b>	From f/1.7 to f/16 in $\frac{1}{3}$ EV increments
<b>Image Data File Formats/</b>	
<b>Compression Rates:</b>	Selectable: JPG Super Fine, JPG Fine, DNG + JPEG Super Fine, DNG + JPEG Fine
<b>Storage Media:</b>	SD/SDHC/SDXC memory cards, multi-media cards
<b>ISO Range:</b>	Automatic, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12500
<b>White Balance:</b>	Automatic, daylight, cloudy, halogen lighting, shadow, electronic flash, two manual settings, manual color temperature setting
<b>UW Mode:</b>	Accessible via separate button, adapts white balance and distortion correction to underwater conditions
<b>Autofocus System:</b>	Contrast-based
<b>Distance Settings Range:</b>	From 20 cm to infinity, automatic (autofocus) or manual distance setting, optional MF Assist function for distance settings
<b>Autofocus Metering Function:</b>	Single field, 11-field, spot, face recognition
<b>Exposure Modes:</b>	Automatic program, aperture priority, shutter speed priority, and manual setting
<b>Exposure Metering:</b>	Multi-field, center weighted, spot
<b>Exposure Compensation:</b>	$\pm 3$ EV in $\frac{1}{3}$ EV increments
<b>Automatic Bracketing:</b>	Three pictures in graduations of up to 3EV, can be set in $\frac{1}{3}$ EV increments
<b>Shutter Speed Range:</b>	30 s to $\frac{1}{2000}$ s
<b>Image Series:</b>	3fps or 5fps, max. seven exposures at constant exposure frequency with DNG + JPEG Fine
<b>Flash Operating Modes:</b>	Automatic, automatic/red eye reduction, ON, ON/red eye reduction, long-term synchronization/red eye reduction, OFF
<b>Flash Exposure Compensation:</b>	$\pm 3$ EV in $\frac{1}{3}$ EV increments
<b>Flash Operating Range:</b>	(for ISO 100/21°) approx. 0.3 - 2.0m, guide number 5
<b>Flash Recharge Time:</b>	Approx. 5s with fully charged battery
<b>Monitor:</b>	3" TFT LCD monitor with approx. 920,000 pixels
<b>Self-Timer:</b>	Delay time either 2 or 12s

<b>Operating Conditions:</b>	Ambient temperature: 0°- +40°C/32°-104°F (on land / underwater), max. humidity 85% (non-condensation)
<b>Water/Dust Resistance:</b>	In compliance with JIS/IEC protection class 68 (IP68) (in accordance with Leica Camera AG testing conditions <sup>1</sup> ), allows underwater photography in depths up to 15m / 49ft for max. 60 minutes
<b>Impact Resistance:</b>	In compliance with MIL-STD 810G, method 516.5 <sup>2</sup> (in accordance with Leica Camera AG testing conditions <sup>1</sup> )
<b>Power Supply:</b>	Lithium ion rechargeable battery, nominal voltage 3.7V, capacity 1600mAh (as per CIPA standard): approx. 450 exposures, charging time (after deep discharge): approx. 200 min., Model No. BP-DC8, manufacturer: PT SANYO Energy Batam, manufactured in Indonesia
<b>Charger:</b>	Input: 100 - 240V AC, 50/60 Hz, 0.2A, automatic switchover, output: 4.2V DC, 0.65A, Model No. BC-DC8, operating conditions: 0 - 35°C/32°-95°F Manufacturer: Pihong (Dongguan) Electronics Co.,Ltd, Made in China
<b>Housing:</b>	Plastic core, aluminum upper and lower covers, flexible TPE reinforcement
<b>Tripod Thread:</b>	A 1/4 DIN 4503 (1/4")
<b>Dimensions:</b>	(WxHxD) Approx. 140 x 79 x 88mm / 5 <sup>33</sup> / <sub>64</sub> x 3 <sup>1</sup> / <sub>8</sub> x 3 <sup>15</sup> / <sub>32</sub> "
<b>Weight:</b>	Approx. 600/635g / 21.16/22.4oz (without/with battery)

<sup>1</sup> These testing conditions do not constitute a blanket warranty in terms of damage or destruction; purely cosmetic damage as a result of the impact test, e.g. damage to the color or deformation and also water tightness after the impact test are not part of the water resistance tests. Water resistance tests do not apply for any other liquids except sweet or salt water, and not for current or jet pressure.

<sup>2</sup> The test entails a fall of the camera from a height of 1,22m /48" onto a wood surface with a thickness of 5cm /2".

Subject to changes in structure and design.