



LEICA X-U (TYP 113)

Technical Data.



Product	Leica X-U (Typ 113)
Order no.	18 435
Lens	Leica Summilux 23 mm f/1.7 ASPH. (equals 35 mm field of view in 35 mm-format), 10 lens elements in 8 groups, 4 aspherical surfaces, UW protective glass
Aperture setting	From f/1.7 to f/16 in 1/3 EV increments
Autofocus	
System	Contrast-based
Distance settings range	From 20 cm to infinity, automatic (autofocus) or manual distance setting, optional MF Assist function for distance settings
Metering function	Single field, 11-field, spot, face recognition
Sensor	CMOS sensor, size APS-C (23.6 × 15.7mm) with 16.5/16.2 million pixels (total/effective), format aspect ratio 3:2
Resolution	Selectable for JPEG format: 4928 × 3264 pixels (16 MP), 4272 × 2856 pixels (12.2 MP), 3264 × 2160 pixels (7 MP), 2144 × 1424 pixels (3 MP), 1632 × 1080 pixels (1.8 MP). DNG: 4944 × 3278 pixels
Compression rates	Selectable: JPG Super Fine, JPG Fine, DNG + JPEG Super Fine, DNG + JPEG Fine
Video	
Recording format	MP4
Resolution/ Image sequence rate	Selectable, 1920 × 1080 p, 30 fps or 1280 × 720 p, 30 fps
Exposure control	
Exposure modes	Automatic program, aperture priority, shutter speed priority, and manual setting
Exposure metering	Multi-field, center weighted, spot
Exposure compensation	±3 EV in 1/3 EV increments
Automatic bracketing	Three pictures in graduations of up to 3 EV, can be set in 1/3 EV increments
ISO range	Automatic, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12500
White balance	Automatic, daylight, cloudy, halogen lighting, shadow, electronic flash, two manual settings, manual color temperature setting
UW mode	Accessible via separate button, adapts white balance and distortion correction to underwater conditions
Shutter speed range	30 s to 1/2000 s
Image series	3 fps or 5 fps, max. seven exposures at constant exposure frequency with DNG + JPEG Fine
Flash	
Flash operating modes	Automatic, automatic/red eye reduction, ON, ON/red eye reduction, long-term synchronization/red eye reduction, OFF
Flash exposure compensation	±3 EV to 1/3 EV increments
Flash operating range	(for ISO 100/21°) approx. 0.3–2.0 m, guide number: 5
Flash recharge time	Approx. 5 s with fully charged battery

Monitor	3" TFT LCD monitor with approx. 920,000 pixels
Storage media	SD/SDHC/SDXC memory cards, multi-media cards
Self-timer	Delay time either 2s or 12s
Operating conditions	Ambient temperature: 0° to 40 °C/32° to 104°F (on land/underwater); max. humidity: 85 % (non-condensation)
Water-/ Dust resistance	In compliance with JIS/IEC protection class 68 (IP68) (in accordance with Leica Camera AG testing conditions ¹), allows underwater photography in depths up to 15 m/49ft for max. 60 minutes
Impact resistance	In compliance with MIL-STD 810G, method 516.5 ² (in accordance with Leica Camera AG testing conditions ¹)
Power supply	Lithium ion rechargeable battery, nominal voltage 3.7 V, capacity 1600 mAh (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
Charger	Input: 100– 240V AC, 50/60 Hz, 0.2 A, automatic switchover, output: 4.2V DC, 0.65 A, Model No. BC-DC8, operating conditions: 0– 35 °C/32°– 95°F; manufacturer: Phihong (Dongguan) Electronics Co.,Ltd, manufactured in China
Housing	Plastic core, aluminum upper and lower covers, flexible TPE reinforcement
Tripod thread	A ¼ DIN 4503 (¼")
Dimensions (W×H×D)	Approx. 140×79×88 mm/5.5×3.1×3.4 in
Weight	Approx. 600 g/635 g; 21.16/22.4 oz (without/with battery)

¹ 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.

² 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.