

**Camera type:** Digital 35 mm compact camera, fixed focal length

**Picture format/aspect ratio:** 24 x 36 mm (2:3)

**Lens:** Leica Summilux 28 f/1.7 ASPH., 11 elements in 9 groups, 3 aspherical elements

**Digital frame selector (digital zoom):** 28mm, 35mm, 50mm, 75mm

**Image stabilization:** Optical compensation system for photo and video recordings

**Aperture range:** 1.7 to 16 in 1/3 EV increments

**Picture sensor/resolution:** Full frame black-and-white CMOS sensor, 50.4/47.3 million pixels (total/effective), without color and low-pass filter

**Dynamic range:** 13 aperture stops for basic ISO 200

**Bit depth:** 14 bit

**Photo capture format:** Selectable: DNG, DNG + JPEG, JPEG

**DNG/JPEG resolution:**

**JPEG:**

**Zoom 28 mm:** 47 megapixels (8368x5584 pixels), 24 megapixels (6000x4000 pixels), 12 megapixels (4271x2848 pixels)

**Zoom 35 mm:** 30 megapixels (6704x4472 pixels), 15 megapixels (4800x3200 pixels), 8 megapixels (3424x2288 pixels)

**Zoom 50 mm:** 15 megapixels (4688x3128 pixels), 8 megapixels (3360x2240 pixels), 4 megapixels (2400x1600 pixels)

**Zoom 75 mm:** 7 megapixels (3136x2096 pixels), 3 megapixels (2240x1496 pixels), 2 megapixels (1600x1072 pixels)

**DNG:** 46.7 megapixels (8368x5584 pixels)

**Video recording format:**

MP4 (C4K / 4K / Full HD)

**MP4:** H.264/MPEG-4 AVC (Audio format: 2ch 48 kHz/16-bit, AAC)

**Video resolution/frame rate:**

**4K:** 30 or 24 B/s

**C4K:** 24 B/s

**Full-HD:** 24, 30, 60 or 120 B/s

**Sound recording format:** AAC

**Microphone:** Stereo

**Speaker:** Mono

**Storage media:** SD/SDHC/SDXC memory cards. Recommendation: UHS II memory cards

**ISO range:** Automatic, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12500, ISO 25000, ISO 50000, ISO 100000

**JPEG settings:**

Contrast, sharpness (5 steps each)

**Color tint:** Sepia, blue, selen (2 steps each – low / high) / OFF

**Focusing range:** 30 cm to ∞, with macro setting from 17 cm

**Focus setting:** Automatic (autofocus) or manual focusing, option of magnifying function and edge marking (focus peaking) available for manual setting

**Autofocus system:** Contrast-based autofocus system

**Autofocus modes:** AFS (shutter release only after successful focusing), AFC (shutter release possible at any time), AF setting can be saved

**Autofocus metering methods:** Single zone (225 fields), multi-field, face recognition

**Exposure modes:** Automatic program, aperture priority, shutter speed priority and manual setting

**Exposure metering methods:** Multi-field, center-weighted, spot

**Exposure compensation:**  $\pm 3$  EV in 1/3 EV increments

**Automatic bracketing:** 3 or 5 exposures in graduations of up to 3 EV, can be set in 1/3 EV increments

**Shutter type:** Optionally mechanical, electronic, or hybrid

**Shutter speeds:** 60 to 1/2000 sec with mechanical shutter, 1 to 1/40000 sec with electronic shutter, in 1/3 increments, flash synchronization up to 1/500 sec, Linear flashes with all shutter speeds less than 1/500 s possible (with HSS-enabled SCA 3002 standard flash units)

**Picture series:** Selectable: 10/5/3 fps (H/M/L)

**Self-timer:** Delay time either 2 or 12 sec

**OLED viewfinder:**

**Resolution:** 1280 x 960 pixels x 3 colors (=3.68 MP)

**Image field:** Approx. 100%

**Aspect ratio:** 4:3

**Eye distance:** 21mm adjustable -4 to +3 diopters with eye sensor for automatic switching between viewfinder and monitor

**Monitor:** 3-inch TFT LCD monitor with approx. 1,040,000 pixels, touch control possible

**WLAN:**

Satisfies IEEE 802.11b/g/n standard (standard WLAN protocol), channel 1-11, encryption method: WLAN-compatible WPA/ WPA2

**Access method:** infrastructure mode

**Software:** Leica FOTOS App

**Bluetooth:** Bluetooth LE

**Power supply:** Leica BP-SCL4 lithium ion battery, rated voltage 7.2 V DC, capacity: 1860 mAh

**Charger:**

Rated voltage 8.4 VDC, capacity minimum 1860 mAh

**Charging time:** approx. 180 min

**Battery charger:** 100-240 VAC, 50/60 Hz 0.25 A with adapters

**Shots:** Approx. 350 (according to CIPA-standard)

**Body:** Made of lightweight and robust magnesium construction

**Lens filter thread:** E49

**Tripod thread:** 1/4 DIN 4503 (1/4-inch)

**Dimensions (W x H x D):** Approx. 130 x 80 x 91.9 mm

**Weight:**

Approx. 734 g (with battery)

Approx. 652 g (without battery)