

Camera Type

Mirrorless full-frame system camera

Buffer Memory

4 GB: DNG: 78 recordings / JPG: > 100 recordings

Storage Medium

UHS-II (recommended), UHS-I, SD/SDHC/SDXC memory card

Material

Full-metal housing made of aluminum and magnesium, leatherette, cover, splash-water protected in compliance with IEC standard 60529 (protection type IP54).

Lens Mount

Leica L bayonet with contact strip for communication between lens and camera

Operating Conditions

14 to 104 Degree F (-10 to +40 Degree C)

Interfaces

ISO accessory shoe with additional control contacts, HDMI jack 2.0b Type A, USB 3.1 Gen1 Type C, Audio-Out 3.5 mm/Audio-In 3.5 mm, communication interface in the base cover for multifunction hand grip

Tripod Thread

A 1/4 DIN 4503 (1/4") with stainless steel in the base

Sensor Size

CMOS sensor, pixel pitch: 4.3 microm / Fullframe (47.3 MP): 8368 x 5584 pixels / APS-C (20.2 MP): 5504 x 3664 pixels

Filter

RGB color filter, UV/IR filter, no low-pass filter

Processor

Leica Maestro series (Maestro III)

File Formats

Photo: DNG (raw data), DNG + JPG, JPG (DCF, Exif 2.31) Video: MP4: H.264/MPEG-4 AVC (Audio Format: 2ch 48 kHz/16 bit, AAC), MOV: H.264/MPEG-4 AVC (Audio Format: 2ch 48 kHz/16 bit, AC-3)

Picture Resolution

DNG: 8368 x 5584 pixels (46.7 MP) JPG: 8368 x 5584 pixels (46.7 MP), 6000 x 4000 pixels (24 MP), 4272 x 2848 pixels (12 MP)

Color Depth

DNG: 14 bit, JPG: 8 bit

Color Space

Picture: sRGB, ECI-RGB v2.0, Adobe RGB Video: Rec. 709/Rec. 2020 (HLG)/L-Log

File Size

DNG: 84.4 MB JPG: depending on resolution and image content Video: max. length: 29 min, max. file size: 96 GB

Recording Mode Video

Video mode: P - A - S - M / Cine mode: M

Video Resolution/Frame Rate

MOV 5K: 29.97 fps, 25 fps, 23.98 fps / MOV C4K: 59.94 fps, 50 fps, 29.97 fps, 25 fps, 24 fps / MOV 4K: 59.94 fps, 50 fps, 29.97 fps, 25 fps, 23.98 fps / MOV FHD: 180 fps, 150 fps, 120 fps, 100 fps, 59.94 fps, 50 fps, 29.97 fps, 25 fps, 23.98 fps / MP4 4 K: 59.94 fps, 50 fps, 29.97 fps, 25 fps, 23.98 fps / MP4 FHD: 180 fps, 150 fps, 120 fps, 100 fps, 59.94 fps, 50 fps, 29.97 fps, 25 fps, 23.98 fps

Bit Rate

8/10 bit for recordings on SD card, 10 bit via HDMI output

Video Gamma

Rec. 709, L-Log Rec. 2020, HLG Rec. 2020

Viewfinder (EVF)

Resolution: 5,760,000 dots, 120 fps, magnification: 0.78x, aspect ratio: 4:3, frame coverage: 100%, exit pupil position: 21 mm, setting range +2/-4 diopters, with eye sensor for automatic switchover between viewfinder and LCD panel, time delay 0.005 s

LCD Panel

3.2" (backlight LED) with anti-fingerprint and anti-scratch coating, 2,100,000 pixels (dots), format 3:2, touch control available

Top Display

1.28" highly reflective trans-reflective monochrome LCD, 128 x 128 pixels, viewing angle 120 Degree ; anti-fingerprint coating

Shutter Type

Electronically controlled focal plane shutter/electronic shutter

Shutter Speeds

Mech. shutter: 30 min to 1/8000 s / Electr. shutter function: 1 s to 1/40000 s / Flash Synch: up to 1/250 s

Shutter Button

Two-stage (1st stage: Activation of the camera electronics including autofocus and exposure metering, 2nd stage: Taking the picture)

Self-Timer

Delay time: 2 s or 12 s

Picture Series

Single Continuous Low Speed (3 fps), Continuous Medium Speed (6 fps), Continuous High Speed (10 fps without AFc/AE/WB), Continuous Super Speed (20 fps with electr. shutter function without AFc/AE/WB), Interval Shooting, Exposure Bracketing, Multishot

Multishot

Generates 2 DNGs: 1x 47 MP, 1x 187 MP (8 pictures are combined into one high-res image)

Working Range

30cm to infinity, With macro setting: from 17 cm

Focus Mode

Automatic (Autofocus in modes iAF/AFs/AFc/Touch AF) or manual. With manual setting: Auto Magnification and Focus Peaking optionally available as focus aids

Autofocus System

Based on contrast metering and depth mapping

Autofocus Modes

Smart AF (autonomously selects AFs and AFc), AFs (picture taken only after successful focusing), AFc (picture can be taken at any time), AF setting can be saved

Autofocus Metering Methods

Spot (can be shifted), Field (can be shifted), Multi-Field, Zone, Face detection, object Tracking, optional Touch AF

Autofocus Metering Fields

225

Exposure Metering

TTL (Through The Lens' exposure metering)

Exposure Metering Methods

Spot, Center-Weighted, Multi-Field

Exposure Modes

Automatic program (P), Aperture priority (A): manual aperture setting, Shutter priority mode (S): manual shutter speed setting Manual (M): manual setting for shutter speed and aperture

Exposure Compensation

+/-3 EV in 1/3 EV increments or 1/2 EV increments

Automatic Bracketing

3 or 5 exposures, up to +/-3 EV, in 1/3 EV increments Shift function: up to +/-3 EV, additional LPG-HDR

ISO Sensitivity Range

Auto ISO: ISO 100 to ISO 50000, Manual: ISO 50 to ISO 50000

White Balance

Automatic (Auto), Daylight 5200 K, Cloudy 6000 K, Shadow 7000 K, Tungsten 3200 K, HMI 5600 K, Fluorescent Warm 4000 K, Fluorescent Cold 4500 K, Flash 5400 K, Gray Card Live View, Gray Card, Color Temperature 2000 K to 11500 K

Flash Unit Connector

About the accessory shoe

Flash Sync Time

1/2 50 s, slower shutter speeds available, automatic changeover to TTL linear flash mode with HSS-compatible Leica flash units if sync time is undercut

Flash Exposure Metering

Using center-weighted TTL pre-flash metering with Leica flash units (SF 26, 40, 40MkII, 58, 60, 64) or with system compatible flash units, flash remote control SF C1

Flash Exposure Compensation

SF 40: +/-2 EV in 1/2 EV increments, SF 60: +/-2 EV in 1/3 EV increments

Microphone

Stereo internal + microphone input 3.5 mm stereo jack

Speaker

Mono internal + headphones output 3.5 mm stereo jack

WLAN

The Leica FOTOS app is required to use the WLAN function. The Leica app is available from the Apple App Store or the Google Play Store. Compliant with Wi-Fi IEEE802.11b/g/n, 2.4 GHz, channel 1–11 (2412–2462 MHz) and Wi-Fi IEEE802.11ac, 2.4 GHz & 5 GHz, channel 39–48 (5180–5240 MHz), channel 52–64 (5260–5320 MHz), channel 100–140 (5500–5700 MHz) (standard WLAN protocol), encryption method: WLAN-compatible WPA/WPA2

Bluetooth

Bluetooth v4.2 (Bluetooth Low Energy (BLE)), 2402 to 2480 MHz

GPS

Via Leica FOTOS app

Menu Languages

English, German, French, Italian, Spanish, Russian, Japanese, Simplified Chinese, Traditional Chinese, Korean

Rechargeable Battery (Leica BP-SCL4)

Lithium-ion rechargeable battery, rated voltage: 7.2 V (DC); capacity: 1860 mAh (min.), approx. 370 recordings (based on CIPA standard, without EVF); charging time: approx. 140 min (after deep discharge); manufacturer: Panasonic Energy (Wuxi) Co. Ltd., Made in China

USB Power Supply

USB charger function in standby mode or when switched off, USB power supply when switched on

Charger (Leica BC-SCL4)

Input: AC 100–240 V, 50/60 Hz, 0.25 A, automatic switchover; Output: DC 8.4 V 0.85 A;

Manufacturer: Salom Electric (Xiamen) Co., Ltd., Made in China

Dimensions (W x H x D)

146 x 107 x 42mm

Weight

Approx. 835g (without battery)