

Camera type

Digital 35mm compact camera

Sensor size

CMOS sensor, 62.39 MP/60.3 MP (total/effective)

Processor

Leica Maestro series (Maestro IV)

Filter

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

File formats

Photo: DNG (raw data), DNG + JPG, JPG (DCF 2.0, Exif 2.31)

Video:

MP4

h.265: AAC, 48 kHz/16 bit

h.264: AAC, 48 kHz/16 bit

MOV

h.265: LPCM 28 kHz/24 bit

h.264: LPCM 28 kHz/24 bit

ProRes: LPCM 28 kHz/24 bit

Image resolution

DNG

9520 x 6336 pixels (60.3 MP)

7404 x 4928 pixels (36.5 MP)

5288 x 3518 pixels (18.6 MP)

JPG

9520 x 6336 pixels (60.3 MP)

7392 x 4928 pixels (36.4 MP)

5280 x 3512 pixels (18.5 MP)

File size

DNG: approx. 70 MB, depending on resolution and image content

JPG: depending on resolution and image content

Video: max. length: 29 min

Color depth

DNG: 14 bit

JPG: 8 bit

Color space

Photo: sRGB

Video Resolution

Resolution:

C8K (17:9): 8192 x 4320

8K (16:9): 7680 x 4320

C4K (17:9): 4096 x 2160

4K (16:9): 3840 x 2160

Full HD (16:9): 1920 x 1080

Buffer memory

8GB

Capacity, depending on frame rate and picture format, estimated quantity (number of possible images in the buffer memory)

15 fps:

DNG: 63

DNG + JPG: 63

JPG: 67

9 fps:

DNG: 70

DNG + JPG: 66

JPG: 76

7 fps:

DNG: 74

DNG + JPG: 69

JPG: 83

4 fps:

DNG: 83

DNG + JPG: 72

JPG: 104

2 fps:

DNG: 164

DNG + JPG: 88

JPG: 947

Storage medium

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

Material

Full metal housing: magnesium die-cast, leather covering, protection

type IP52

Operating conditions

0 Degree C to +40 Degree C

Interfaces

ISO accessory shoe with additional control contacts for Leica flash units, HDMI jack Type D, USB 3.1 Gen 2 Type C up to 10 Gbps

Tripod thread

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

Designation

Leica Summilux 28 f/1.7 ASPH., 11 lenses in 9 segments, 3 aspherical lens areas

Lens filter thread

E49

Digital zoom

Optionally approx. 1.25x (equivalent to 35mm), approx. 1.8x (equivalent to 50mm), approx. 2.7x (equivalent to 75mm), or approx. 3.2x (equivalent to 90mm)

Image stabilization

Visual compensation system for photos and video recordings

Aperture range

F1.7 to F16 in 1/3 EV increments

Viewfinder (EVF)

Resolution: 5,760,000 dots, 120 fps, magnification: 0.79x at aspect ratio: 4:3 / 0.76x at aspect ratio: 3:2, frame coverage: 100%, exit pupil position: 20.75mm, setting range -4/+2 dpt, with eye sensor for automatic switchover between viewfinder and LCD panel, time delay 0.005 s

LCD panel

3" TFT LCD, approx. 1,843,200 dots, 384 ppi, aspect ratio 3:2, touch panel

Shutter type

Mechanical central shutter or optional electronic shutter

Shutter speeds

Mech. shutter: 120 s to 1/2000 s

Electro. shutter function: 1 s to 1/16000 s

Flash Synchronization: up to 1/2000 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: 2s or 12s

Drive Mode

Single, Interval Shooting, Exposure Bracketing

Continuous shooting:

Continuous - 2 fps / 14 bit / AF, Continuous - 4 fps / 14 bit / AF:

Automatic settings (exposure settings in operating modes P/A/S, automatic white balance and autofocus) are implemented individually for each frame.

Continuous - 7 fps / 14 bit, Continuous - 9 fps / 12 bit, Continuous - 15 fps / 12 bit:

Automatic settings (exposure settings in operating modes P/A/S, automatic white balance and autofocus) are implemented for the first frame, and are then applied for each subsequent frame in the same picture series.

Focus range

30cm to Infinite

With macro setting: from 17cm

Focus mode

Automatic or manual

With manual setting: optional magnifying glass function (Auto Magnification) and edge marking (Focus Peaking) available as focus assist

Autofocus system

Hybrid-AF due to combination of contrast metering, depth mapping, and phase comparison metering with AF metering points in the sensor.

Autofocus modes

Intelligent AF (autonomously selects AFs and AFc), AFs, AFc, AF setting can be saved, optional Touch AF

Autofocus metering methods

Spot (can be shifted), Field (can be shifted and scaled), Multi-Field, Zone (can be shifted), Eye/Face/Body Detection, Eye/Face/Body + Animal Detection, Tracking

Autofocus metering fields

315

Exposure metering

TTL (exposure metering through the lens), with working aperture

Metering principle

Exposure metering is done by the image sensor for all exposure metering methods (in Live View mode and in rangefinder mode)

Exposure metering methods

Spot, Center-Weighted, Highlight-Weighted, Multi-Field

Exposure modes

Program AE mode (P)

Aperture-priority mode (A): manual aperture setting

Shutter-priority mode (S): manual shutter-speed setting

Manual (M): manual setting for shutter speed and aperture

Various fully automated variants (Scene Mode):

Auto, Sport, Portrait, Landscape, Night Portrait, Snow/Beach,

Fireworks, Candlelight, Sunset, Digi scoping

Exposure compensation

+/-3 EV in 1/3 EV increments

Automatic bracketing

3 or 5 frames, graduations between shoots up to 3 EV, in 1/3 EV

increments

additional optional exposure compensation: up to +/-3 EV

ISO sensitivity range

Auto ISO

Photo: ISO 100 to ISO 100 000

Video: ISO 100 to ISO 100 000

Manual

Photo: ISO 50 to ISO 100 000

Video: ISO 50 to ISO 100 000

White balance

Automatic (Auto), default (Daylight, Cloudy, Shadow, Tungsten,

Flash), manual metering (Gray card) , manual color temperature

settings (Color Temperature, 2000 K to 11500 K)

Flash unit connector

Via the accessory shoe

Flash sync time

1/2000 s, slower shutter speeds available, automatic changeover to TTL linear flash mode with HSS-compatible Leica system flash units if sync time is undercut

Flash exposure metering

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

Speaker

Mono

Bluetooth

Bluetooth 5.0 LE: Channel 0-39 (2402-2480 MHz), maximum output (e.i.r.p.): 10 dBm

GPS

Not available everywhere due to country-specific legislation; can be added via the Leica FOTOS app. Data is written to Exif header of the picture files.

Menu languages

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

Rechargeable battery (Leica BP-SCL6)

Lithium-ion rechargeable battery, rated voltage: 7.2 V (DC);
capacity: 2200 mAh (min.), 350 shots (based on CIPA standard, with All Displays Auto Off = 5 s); manufacturer: Panasonic Energy (Wuxi)

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)

Charging via USB

During operation: 9 V/3 A (min. 27 W)

With camera switched off: 5 V/1500 mA (2.5 W or greater)

Wireless Charging

Optimal performance with 9 V chargers (10 W Charging Pad required)

Rated values for input voltage/power

7.2 V 2.3 A (battery), 5 V 3.0 A / 9 V 2.5 A (USB)

Battery Info

Required, included

Battery Material

Lithium ion

Battery Type

Non-universal

Battery Quantity

1

Dimensions

130 x 92.6 x 80.3mm

Weight

With Battery: 743g (Approx.)

Without Battery: 658g (Approx.)