



ZEISS ZX1

Technical Specifications



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| Dimensions (W x H x D) | 142 x 93 x 94 mm (5.59 x 3.66 x 3.70") |
| Weight | 813 g (12.68 oz) (with battery) |
| Lens | ZEISS Distagon T* 35mm f/2 |
| Sensor | CMOS Sensor, 24 x 36 mm, 39.5 Mpix total / 37.4 Mpix effective |
| Aperture range | f/2 – f/22 in 1/3 EV increments; automatic |
| ISO range | ISO 80 – 51200 in 1/3 EV increments; automatic |
| Shutter speeds | 1/8000 – 30s in 1/2EV increments; automatic Mechanical leaf shutter use limited to 1/1000 s or longer, Flash synchronization up to 1/1000 s |
| Display | 4.3" TFT LCD, 1280 x 720 px, 338ppi, capacitive multi-touch enabled, scratch resistant cover glass with anti-fingerprint coating |
| Electronic Viewfinder (EVF) | 0.7" OLED, 1920 x 1080 px, Magnification 0.74x with diopter adjustment and proximity sensor |
| Diopter range | ±3 dpt |
| Auto-Focus method | Contrast-detect AF |
| Focus modes | AF-S (MF override possible), AF-C, manual focus with magnification assist |
| Focus metering modes | Single point (touch-enabled), multiple areas (17x15 spots), object detection, touch & release |
| Exposure modes | Automatic, aperture priority, shutter speed priority, manual exposure |
| Exposure compensation | ±3 EV in 1/3 increments |
| Exposure metering modes | Multi, Center, Spot |
| Exposure bracketing | 3 or 5 photos, from 1/3 to 2 EV increments; |
| White balance modes | Automatic, shade, cloudy, daylight, white-fluorescent, tungsten light, manual WB metering, color temperature |
| Drive modes | Single, continuous, self-timer (2, 10 or 20 s), interval, AE bracketing, panorama, enhanced imaging |
| Digital live view helpers | Level indicator, histogram, grid, depth of field |
| Image format / resolution | RAW(DNG) / JPEG: 7488 x 4992 px |
| Video format / quality | MP4 video; 4K (3840x2160 px) up to 30fps; FHD (1920x1080 px) up to 60 fps; AAC audio codec |
| Audio | Built-in microphone (stereo) and speaker (mono) |
| Flash | ISO-518 and Sigma SA-TTL compliant flash hot-shoe |



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| Memory Storage | 512 GB SSD (built-in) External storage via USB-C, NAS access using SMB protocol |
| Tripod thread | DIN 4503 1/4-20 UNC |
| Connectivity (Wired) | USB 3.1 Gen 1, Type-C connector with USB-PD (Power Delivery), HDMI Alt Mode for USB Type-C supported |
| Connectivity (Wireless) | Wi-Fi 802.11b/g/n/ac, 2.4/5.0 GHz Bluetooth 4.1 Geotagging and remote control (via Smartphone) |
| Editing software | Adobe Photoshop Lightroom CC pre-installed |
| Social media | Yes |
| Cloud storage | Yes |
| Firmware update | Yes, Firmware Over-The-Air via Wi-Fi |
| Battery | 3190 mAh 22.9 Wh Li-ion battery pack DD-PS1A / DD-PS1E; exchangeable |
| Power Supply | AC adapter EA1045SJR; input 100-240 Vac 50-60Hz output 5V/3A, 9V/3A, 15V/3A, or 20V/2.25A |
| Sales package content | Camera, lens ring, lens shade, lens cap, hot-shoe cover, battery, AC charger, USB-C cable, carrying strap & strap accessories |

Lens Design

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|--|---|
| Focal length | 35 mm |
| Aperture range | f/2 – f/22 |
| Lens elements/Groups | 8/5 |
| Focusing range | 0,30 m (0.98 ft) – ∞ |
| Free working distance | 0,23 m (0.75 ft) – ∞ |
| Angular field* (diag. / horiz. / vert.) | 64° / 54° / 38° |
| Diameter of image field | 43,3 mm (1.70") |
| Coverage at close range (MOD)* | 173 x 259 mm (6.81 x 10.20") |
| Depth of field (DoF) | Shown directly on the camera display |
| Image ratio at MOD | 1:7.2 |
| Filter thread | M52 |
| Entrance pupil position (in front of image plane) | 50,1 mm (1.97") |
| Autofocus | Yes |
| Optical image stabilization | No |
| Rotation angle of focusing ring (inf – MOD) | Focusing not mechanically coupled. Rotation angle depending on rotation speed. |
| Diameter max. (with lens shade) | 75 mm (2.95") |
| Diameter of focusing ring | 66 mm (2.60") |

* referring to 24 x 36 mm format