

Tipo

Tipo de cámara Cámara de fotos digital con Autofoco TTL y Autoexposición

Sensor

Sensor CMOS, Filtro de colores primarios

Tipo Simulador de filtro de paso bajo: Reducción del Moiré usando la unidad SR (estabilización de imagen). OFF/Tipo1/Tipo2/Horquillado (2 o 3 imágenes)

Tamaño 35.9 x 24.0 mm

Píxeles Totales Aproximadamente 36,77 megapíxeles

Píxeles Efectivos Aproximadamente 36,40 megapíxeles

[Full Frame de 35mm]

JPEG: L(36M: 7360x4912) M(22M:5760x3840) S(12M:4224x2816) XS(2M:1920x1280),

RAW: (36M:7360x4912)

[Tamaño APS-C]

Foto

JPEG: L(15M: 4800x3200) M(12M:4224x2816) S(8M:3456x2304) XS(2M:1920x1280),

RAW: (15M:4800x3200)

Resolución de Desplazamiento de Píxeles: imágenes de alta resolución basadas en el uso de cada píxel para toda la información de color RGB - Ahora también disponible para sujetos en movimiento.

Video Full HD (1920x1080, 60i/50i/30p/25p/24p), HD (1280x720, 60p/50p)

Profundidad de Color 14bit en Modo RAW PEF y DNG

Sensibilidad ISO AUTO de 100 a 819200 (Los pasos EV pueden configurarse a 1EV, 1/2EV o 1/3EV)

Sistema de Estabilización Estabilización de imagen (SR II) de 5 ejes en el sensor

Limpieza del Sensor Limpieza de sensor mediante vibración por ultrasonidos «DR II»

Estabilización del sensor de 5 ejes (SR II: Shake Reduction)

Sistema de Resolución de Desplazamiento de Píxeles II

Pixel Shift Resolution Sistema de Resolución por Desplazamiento de Píxeles II: Fotografías de alta resolución basadas en la información de color RGB de cada píxel.

Modo Tradicional con el uso del disparador electrónico, se recomienda usar trípode, Modo Mano Alzada con 4 fotografías individuales

Balance de Blancos Tipo: Este método usa una combinación del sensor CMOS con el

sensor de detección de fuente de luz

AUTO WB, Multi Auto WB, Luz día, Sombra, Nublado, Luz Fluorescente (D:Cor día, N:blanco día, W:blanco frío, L:blanco cálido), Luz Tungsteno, Flash, CTE, WB manual (hasta 3 ajustes), Configuración de la temperatura de color (hasta 3 ajustes), copiado del balance de blancos de otra toma

Ajuste fino: ± 7 pasos ajustable en el eje A-B o en el eje G-M

Objetivo

Montura Objetivos con montura KAF4, KAF3, KAF2 (compatible con power zoom), KAF, KA

Objetivos Compatibles Objetivos con montura KAF4, KAF3, KAF2 (compatible con power zoom), KAF, KA

Sistema de Enfoque

Tipo Tipo TTL: autoenfoco de detección de fase
Sensor de enfoque: SAFOX 12, 33 puntos (25 puntos en cruz en el centro)

Rango de brillo: EV-3 a 18 (ISO 100 / a temperatura normal)

Funciones Modo AF: AF simple (AF.S), AF continuo (AF.C)

Selección de punto AF: Puntual, Selección, Area expandida (S, M, L), Selección de zona, Auto (33 puntos AF)

Luz de ayuda AF Luz LED dedicada de asistencia AF

Visor

Tipo Pentaprisma

Campo de Visión 100% aproximadamente

Ampliación Aproximadamente 0.70x (50mm F1.4 a infinito)

Pantalla de Enfoque Fijado Natural-Brillante-Mate III pantalla de enfoque

Sobreposición en el visor: Puntos AF, Cuadrícula, Nivel electrónico, Recuadro AF, Recuadro de medición puntual, Recorte

Ocular Distancia del reposo ocular: Aprox. 20.6mm (desde la ventana de visualización), Aprox 21.7mm (desde el centro de la lente)

Ajuste de Dioptrías Aproximadamente desde -3.5m hasta + 1.2m-1

Pantalla LCD

Tipo Monitor LCD de color de gran ángulo de visión, cristal de la pantalla sin entrada de aire, inclinación variable.

Medida: 3.2 pulgadas (relación de aspecto 3:2)

Resolución	Aproximadamente 1.037K puntos
Reproducción	Ajustes: Brillo, Saturación y Colores
	Ajuste de vista en exterior: ajustable ± 2 pasos
	Liveview
	Tipo: método TTL usando el sensor de imagen
	Mecanismo de enfoque: Detección por contraste (Detección de rostros, Seguimiento, Múltiples puntos AF, Selección, Puntual)
	Focus Peaking: Encendido/Apagado
LiveView	Visualización: campo de visión de aprox. 100%, visualización ampliada (hasta 16x),
	visualización de cuadrícula (cuadrícula 4x4, Sección dorada, Muestra de la escala, Cadrado 1, Cuadrado 2,
	Color de la cuadrícula: Blanco/Negro, Histograma, Alerta de área brillante, Ajuste de la composición
	Obturador
Tipo	Electronically controlled vertical-run focal plane shutter * Electronic shutter when using Pixel Shift Resolution
Velocidad	1/8000 to 30 sec., Manual: 1/8000 to 30 sec. (1/3EV steps or 1/2EV steps), Bulb
	Sistema Exposición
Medición	TTL open aperture metering using 86K pixel RGB sensor, Multi-segment, center-weighted and spot metering
Modos de Exposición	Scene Analyze Auto, Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb, Flash X-sync Speed, USER1, USER2, USER3, USER4, USER5
Valores de Exposición	EV-3 to 20 (ISO100 at 50mm F1.4)
Bloqueo Auto Exposición	Button type (timer type: two times the meter operating time set in Custom Setting);
Compensación	Continuous as long as the shutter button is halfway pressed ± 5 EV (1/2EV steps or 1/3EV steps can be selected)
	Flash
Tipo	Flash Control: Contrast-control-sync and High-speed sync requires 2 or more dedicated external flash guns
	Sync Speed: 1/200 sec.
Compensación EV	-2.0 to + 1.0EV
	Parámetros de Exposición
Modos	Drives modes

Mode Selection: Single Frame, Continuous (H, M, L), Self-timer (12s, 2s, Continuous), Remote Control (0s., 3s., Continuous), Bracketing (2, 3 or 5 frames), Mirror-up, Multi-Exposure, Interval Shooting, Interval Composite, Star Stream
* Bracketing, Interval Shooting, Interval Composite, Interval Movie Record, Multi Exposure and Star Stream are possible to use with Self-timer/Remote Control.

Continuous Shooting:

[35mm Full Frame]

Max. approx. 4.4 fps, JPEG (L: ★★★ at Continuous H): up to approx. 70 frames,

RAW: up to approx. 17 frames

Max. approx. 3.0 fps, JPEG L: ★★★ at Continuous M): up to approx. 100 frames,

RAW: up to approx. 20 frames

Max. approx. 0.7 fps, JPEG (L: ★★★ at Continuous L): up to approx. 100 frames,

RAW: up to approx. 100 frames

[APS-C size]

Max. approx. 6.4 fps, JPEG (L: ★★★ at Continuous H): up to approx. 100 frames,

RAW: up to approx. 50 frames

Max. approx. 3.0 fps, JPEG L: ★★★ at Continuous M): up to approx. 100 frames,

RAW: up to approx. 70 frames

Max. approx. 1.0 fps, JPEG (L: ★★★ at Continuous L): up to approx. 100 frames,

RAW: up to approx. 100 frames

Multi-Exposure: Composite Mode (Additive/Average/Bright), Number of Shots (2 to 2000 images)

Interval Shooting:

[Interval Shooting]

Interval: 2s. to 24h./ Standby

Interval: Min.1s. to 24h., Number of shots: 2 to 2000 images

Start Interval: Now/Self-timer/Remote Control/Set Time

[Interval Composite]

Interval: 2s. to 24h./ Standby

Interval: Min.1s. to 24h., Number of shots: 2 to 2000 images

Start Interval: Now/Self-timer/Remote Control/Set Time

Composite Mode: Additive/Average/Bright, Save Process: On/Off

Capture setting

Custom Image: Auto Select, Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Flat, Bleach Bypass, Reversal Film, Monochrome, Cross Processing

Sharpness level: Fine Sharpness and Extra Sharpness improve sharpness and gives much better details

Cross Processing: Random, Preset 1-3, Favorite 1-3

Digital Filter: Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome

Clarity: Adjustable ± 4 step

HDR: Auto, HDR1, HDR2, HDR3, Advanced HDR, Exposure bracket value adjustable, Automatic composition correction function

Lens Correction: Distortion Correction, Peripheral Illumin. Correction, Lateral Chromatic Aberration Correction, Diffraction Correction

Dynamic Range compensation: Highlight Correction, Shadow Correction

Noise Reduction: Slow Shutter Speed NR, High-ISO NR

Horizon Correction: SR On: correction up to 1 degrees, SR Off: correction up to 2 degrees

Composition Adjustment: Adjustment range of ± 1.5 mm up, down, left or right (1mm when rotated); rotating range of 1 degree

Electronic Level: Displayed in viewfinder and LCD panel (horizontal and vertical); displayed on LCD monitor (horizontal and vertical)

Video

File Format: MPEG-4 AVC/H.264 (MOV)

Recorded Pixels: Full HD(1920x1080, 60i/50i/30p/25p/24p), HD (1280x720, 60p/50p)

Sound: Built-in stereo microphone, external microphone (Stereo recording compatible)
Recording Sound Level adjustable, Wind Noise Reduction

Grabación

Recording Time: Up to 25 minutes or 4GB; automatically stops recording if the internal temperature of the camera becomes high.

Custom Images: Auto Select, Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Flat, Bleach Bypass, Reversal Film,

Monochrome, Cross Processing

Cross Processing: Random, Preset 1-3, Favorite 1-3

Digital Filter: Extract Color, Replace color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome

Interval Movie Record:

[Interval Movie]
Recorded Pixels: 4K/FullHD/HD, File Format: Motion JPEG (AVI),
Interval: 2s. to 24h./ Standby
Interval: Min.1s. to 24h., Number of shots: 8 to 2000 images (8 to 500 images at 4K),
Start Interval: Now/Self-timer/Remote Control/Set Time

[Star Stream]
Recorded Pixels: 4K/FullHD/HD, File Format: Motion JPEG (AVI),
Interval: 2s. to 24h./ Standby
Interval: Min.1s. to 24h., Number of shots: 8 to 2000 images (8 to 500 images at 4K),
Start Interval: Now/Self-timer/Remote Control/Set Time,
Fade-out: Off/Low/Medium/High

Reproducción

Filtro Digital

Base Parameter Adj, Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome, Tone Expansion, Sketch, Water Color, Pastel, Pasteurization, Miniature, Soft, Starburst, Fish-eye, Slim, Monochrome Playback View:

Single frame, multi-image display (6,12, 20, 35, 80 segmentation), display magnification (up to 16, 100% display and quick magnification available), rotating, histogram (Y histogram, RGB histogram), bright rea warning, Auto Image Roation, detailed inf, Copyright Information (Photographer, Copyright holder), Folder Display, Calendar Filmstrip Display, Slide Show, GPS information (latitude, longitude, altitude, Coordinated Universal Time, Orientation)

Opciones

Delete:

Delete single image, delete all, select & delete, delete folder, delete instant review image

RAW Development:

RAW file select: Select Single Image, Select Multiple Images, Select a folder

RAW Development Parameter: White Balance, Custom Image, Sensitivity, Clarity, Skin Tone, Digital filter, HDR, Pixel Shift

Resolution, Shadow Correction, High-ISO NR, Distortion Correction, Peripheral Illumin. Corr., Lateral Chromatic Aberration Correction, Diffraction Correction, Color Fringe Correction, File Format (JPEG/TIFF), Aspect Ratio, JPEG Recorded Pixels, JPEG Quality, Color Space

Edit: Image Rotation, Color Moiré Correction, Resize, Cropping (Aspect ratio and Slant adjustment available), Movie Edit (Divide or delete selected frames), Capturing a JPEG still picture from a movie, Saving RAW data in buffer memory, Image Copy

Almacenamiento

Storage Medium: SD, SDHC and SDXC Memory Card (Conforms to USH-1 standards)

Externo

Dual SD slot: Sequential Use, Save to Both, Separate RAW/JPG, Image copy between slots possible

RAW (PEF/DNG), JPEG (Exif 2.30), DCF2.0 compliant

Formato de Archivo

Quality Level RAW (14bit): PEF, DNG, JPEG:*(Best),**(Better),***(Good), RAW + JPEG simultaneous capturing available

Color Space: sRGB, AdobeRGB
"IMGP*****" or User assigned file name

Nome Archivo

File name numbering: Sequential, Reset

Otras Prestaciones

GPS/Electronic Compass

GPS: GPS Logging (Logging Interval, Logging Duration, Memory Card Options), GPS Time Sync

Electronic Compass: Available

Astrotracer: Possible

Satellites: GPS, QZSS, SBAS(WAAS/ EGNOS/ GAGAN/ MSAS)

Prestaciones

Reception Frequency: L1 1575.42MHz

Recorded Information: Latitude, Longitude, Altitude, Time (UTC), Direction

Geodesics World Geodetic System (WGS84)

GPS Logging: KML format, Logging Interval: 5/10/15/30sec. /1min., Logging Duration: 1-24hr. (Up to 9hours at Logging Interval 5sec. Up to 18hrs. at Logging Interval 10sec.)

Electronic Compass: Azimuth calculation using triaxial geomagnetic sensor and triaxial acceleration sensor, True north standard

Customization

USER Mode: Up to 5 settings can be saved

Custom Functions: 26 items

Mode Memory: 17 items

Custom Button: Fx1 Button, Fx2 Button (One Push File Format, Outdoor View Setting, Flash Mode, Pixel Shift Resolution, Shake Reduction, Horizon Correction, Electronic Level) AF Button (AF1/AF2/ Cancel AF) Preview Dial (Optical Preview/Digital Preview) Various settings for the action of the e-dials in each exposure mode can also be saved.

AF Customization: AF.S: Focus-priority/ Release-priority
1st Frame Action in AF.C: Release-priority/Auto/Focus-priority
Action in AF.C Continuous: Focus-priority, Auto, FPS-priority
Hold AF Status: OFF, Low, Medium, High
AF in Interval Shooting: Locks focus at 1st exposure, Adjusts focus for each shot
AF with Remote Control: Off/On

Operation Control: Type 1: E-Dial, EV Compensation, ISO, Green Button, AE Lock

Lock: Type 2: 4-way controller, AF point change button, Change AF Point, OK Button, Menu Button

Text Size: Standard, Large

World Time: World Time settings for 75 cities (28 time zones)

AF fine Adjustment: ± 10 step, Uniform adjustment, Individual adjustment (up to 20 can be saved)

Illumination Settings: LCD Panel (High/Low/Off), Backside Controls (High/Low/Off), Lens Mount (On/Off), Card Slot/Connector (On/Off)

Indicator Lamps: Wi-Fi (High/Low/Off), GPS (High/Low/Off), Self-timer (On/Off), Remote Control (On/Off)

Copyright Information: Names of "Photographer" and "Copyright Holder" are embedded to the image file. Revision history can be checked using the provided software.

Operating environment

Temperature: -10°C ~ 40°C (14°F ~104°F)

Humidity: 85% or less (no condensation)

Dust and Water protected: 87 Sealings protecting camera against Dust, Rain and Spraywater. Camera is not water protected.

Idioma English, French, Germany, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional Chinese, Simplified Chinese, Japanese

Conexión Inalámbrica

Standards IEEE 802.11b/g/n

Banda de Frecuencias 2412MHz ~ 2462MHz (1ch ~ 11ch)

Security Authentication: WPA2, Encryption: AES

Conexiones

Conexiones Connection Port: USB2.0 (micro B), external power supply terminal, external release controller terminal, X-synch socket, HDMI output terminal (Type D), stereo microphone input terminal, Headphone terminal

USB Connection: MSC/PTP

Alimentación

Alimentación Battery Type: Rechargeable Lithium-ion Battery D-LI90

AC Adapter: AC Adapter Kit K-AC132 (Optional)

Battery Life:

Number of recordable images: 670

Autonomia Playback time: Approx. 340 minutes

* With a fully-recharged Rechargeable Lithium-ion Battery. Tested in compliance with CIPA standard. Actual results may vary depending on the shooting condition.

Cuerpo

Altura 110mm

Anchura 136.5mm

Profundidad 85.5mm

Peso Approx. 1010g (Including dedicated battery and 1x SD Memory Card),
Approx. 925 (body only)