

17-févr.-09

E-620

Product type	Single-lens reflex Live View digital camera with interchangeable lens system
Memory	CompactFlash Type I/II (UDMA), Microdrive, xD-Picture Card (Dual-Slot)
Screen size	17.3 mm (H) x 13.0 mm (V)
Lens mount	Four Thirds Mount
Effective Pixels number	12.3 million pixels
Product type	High speed Live MOS Sensor
Total no. of pixels	Approx. 13.1 million pixels
Aspect ratio	1.33 (4:3)
Filter array	Primary color filter (RGB)
LPF	Fixed type
IR cut filter	Hybrid type
Dust reduction	Supersonic Wave Filter (dust reduction system for image sensor)
Recording format	DCF, DPOF compatible/Exif, PRINT Image Matching III
File format	RAW (12-bit lossless compression), JPEG, RAW+JPEG
Recording image size	[RAW] 4032 x 3024 pixels [JPEG] 4032 x 3024 pixels - 640 x 480 pixels
File size	RAW: 4032 x 3024 (approx. 1/1.5 lossless compressed) Approx. 13.9MB Large: 4032 x 3024 Super fine (1/2.7 compressed) Approx. 8.2MB 4032 x 3024 Fine (1/4 compressed) Approx. 5.7MB 4032 x 3024 Normal (1/8 compressed) Approx. 2.7MB 4032 x 3024 Basic (1/12 compressed) Approx. 1.8MB Middle 3200 x 2400 Super fine (1/2.7 compressed) Approx. 5.4MB 3200 x 2400 Fine (1/4 compressed) Approx. 3.4MB 3200 x 2400 Normal (1/8 compressed) Approx. 1.7MB 3200 x 2400 Basic (1/12 compressed) Approx. 1.2MB 2560 x 1920 Super fine (1/2.7 compressed) Approx. 3.2MB 2560 x 1920 Fine (1/4 compressed) Approx. 2.2MB 2560 x 1920 Normal (1/8 compressed) Approx. 1.1MB 2560 x 1920 Basic (1/12 compressed) Approx. 0.8MB Small 1600 x 1200 Super fine (1/2.7 compressed) Approx. 1.3MB 1600 x 1200 Fine (1/4 compressed) Approx. 0.9MB 1600 x 1200 Normal (1/8 compressed) Approx. 0.5MB 1600 x 1200 Basic (1/12 compressed) Approx. 0.4MB 1280 x 960 Super fine (1/2.7 compressed) Approx. 0.9MB 1280 x 960 Fine (1/4 compressed) Approx. 0.6MB 1280 x 960 Normal (1/8 compressed) Approx. 0.3MB 1280 x 960 Basic (1/12 compressed) Approx. 0.3MB 1024 x 768 Super fine (1/2.7 compressed) Approx. 0.6MB 1024 x 768 Fine (1/4 compressed) Approx. 0.4MB 1024 x 768 Normal (1/8 compressed) Approx. 0.3MB 1024 x 768 Basic (1/12 compressed) Approx. 0.2MB 640 x 480 Super fine (1/2.7 compressed) Approx. 0.3MB 640 x 480 Fine (1/4 compressed) Approx. 0.2MB 640 x 480 Normal (1/8 compressed) Approx. 0.1MB 640 x 480 Basic (1/12 compressed) Approx. 0.1MB
Product type	Eye-level single-lens reflex viewfinder
Field of view	Approx. 95%
Viewfinder magnification	Approx.0.96x (-1m-1, 50mm lens, infinity)
Eye point	Approx. 18 mm (-1m-1) *from eyepiece lens
Diopeter adjustment range	-3.0 - +1m ⁻¹
Focusing screen	Fixed (Neo Lumi-Micro Mat screen)
Eyepiece shutter	Eye piece cover EPC-1 supplied
Eye cup	Interchangeable type EP-5/6/7/8, EP-8 is supplied
Optical preview (view finder)	Available to set to Fn button
Live preview	Available to set to Fn button
View finder information	Aperture value, Shutter speed, Record mode, AF confirmation mark, Flash, WB, AE lock, Number of storable still images, Exposure compensation value, Metering mode, Battery warning, Exposure mode, AF frame (super impose), IS, Bracket, ISO value
Live View	High speed Live MOS Sensor for still picture shooting is used, 100% field of view, Exposure adjustment pre-view, White balance adjustment pre-view, Gradation auto pre-view Face detection pre-view, Perfect shot pre-view Grid line displayable, 5x/7x/10x magnification possible, MF/S-AF, AF frame display, AF point display, Shooting information, Histogram, IS activating mode.
AF	High speed imager AF, Phase-difference detection AF
System	Built in (Imager shift image stabilizer)
Mode	3 modes (2 dimensional activation, 1 dementional activation in landscape frame to vertical direction moving, 1 dementional activation in portrait frame to horizontal direction moving)
Manual Function	input focal length 8, 10, 12, 16, 18, 24, 28, 30, 35, 40, 48, 50, 55, 65, 70, 75, 80, 85, 90, 100, 105, 120, 135, 150, 200, 210, 250, 300, 350, 400, 500, 600, 800, 1000
Effective compensation range	Approx.4EV steps (in maximum effect)
Shutter speed range	2 - 1/4000 sec.
Product type	HyperCrystal III LCD (transmissive TFT colour LCD)
Size	2.7 inches
Total no. of pixels	Approx. 230,000 dots
Playback field of view	1
Brightness control	15 levels
Colour balance	15 levels
AF system	TTL phase-difference detection system Contrast detection system (with 25mm f2.8, 14-42mm f3.5-5.6, 40-150mm f4.0-5.6, 9-18mm f4.0-5.6, 14-54mm f2.8-3.5II)
Focus mode	Single AF (S-AF) / Continuous AF (C-AF) / Manual Focus (MF) / S-AF + MF / C-AF + MF * C-AF mode is not available with the contrast detection system
Focusing point	7 points AF sensor with the phase-difference detection system (5points cross AF sensor / 7 points twin AF sensor) 7-area multiple AF with the contrast detection system (Auto, selectable in option)
Focusing point selection	Single target, All targets with the phase-difference detection system Single, all 7 area, or Face detection with the contrast detection system
AF luminance range (phase-difference d	EV -1 to 19 (at 20°C, ISO 100)
AF illuminator (phase-difference detection system)	Built-in flash (external flash available)
AF lock	Locked at first position of Shutter button in Single AF mode / AEL button (customizable)
Focus tracking (phase-difference detection system)	Interlocked with Continuous AF mode
Focus aid	Available
Fine Adjustment	+/- 20 steps, 20 data can be registered

Metering system	TTL open-aperture metering system (1) Digital ESP metering (49-points multi pattern metering) (2) Center weighted average metering (3) Spot metering (approx. 2% for the viewfinder screen. Highlight / shadow bases are available)
Metering range	EV 1 - 20 (Digital ESP metering, Centre weighted average metering, Spot metering) (At normal temperature, 50mm f2, ISO 100)
Exposure mode	(1) Auto (2) P: Programme AE (Programme shift can be performed) (3) A: Aperture priority AE (4) S: Shutter priority AE (5) M: Manual (6) Scene programme AE (7) Scene select AE
Scene programme AE	Portrait, Landscape, Macro, Sport, Night + Portrait
Scene select AE	Children, High Key, Low Key, DIS mode, Nature Macro, Candle, Sunset, Fireworks, Documents, Panorama* (* Available with the Olympus xD-Picture Card), Beach & Snow, Underwater Wide, Underwater Macro
ISO sensitivity	AUTO: ISO 200 - 3200 (customizable, Default 200-800) / Manual ISO 100 - 3200, 1/3 or 1 EV steps
Exposure compensation	±5 EV in 1/3, 1/2, 1 EV steps selectable
AE lock	AEL button (customizable)
Exposure bracketing	3 frames in 0.3, 0.5, 0.7, 1EV steps selectable
ISO bracketing	3 frames in 0.3, 0.7, 1EV steps selectable
Metering standard value adjustment	1/6 EV step, +/- 1EV range
Auto WB system	Hybrid detection system with High speed Live MOS sensor and dedicated external sensor.
Preset white balance	8 settings (3000K - 7500K) Lamp (3000K), Fluorescent 1 (4000K), Fluorescent 2 (4500K), Fluorescent 3 (6600K), Daylight (5300K), Flash (5500K), Cloudy (6000K), Shade (7500K)
White balance compensation	±7 steps in each A-B/G-M axis (in Auto WB / Preset WB mode / One touch WB)
CWB (Kelvin setting)	1 setting can be registered at Kelvin temperature (2000K - 14000K)
One-touch white balance	1 custom setting can be registered
White balance bracketing	3 frames in 2, 4, 6 steps selectable in each A-B/G-M axis.
Colour space	sRGB, Adobe RGB
Mode	Vivid, Natural, Portrait, Muted, Monotone, Custom (default setting: Natural) In custom mode, basic 5 modes and adjustment is available.
Adjustment parameter	Contrast, Sharpness and Saturation level available in 5 steps for Vivid, Natural, Portrait and Muted Contrast and Sharpness level available in 5 steps for Monotone. In custom mode, gradation level available in 4 steps.
Filter effect	Yellow, Orange, Red or Green filter available for Monotone
Picture tone	Sepia, Blue, Purple or Green tone available for Monotone
Gradation	4 levels (Auto, High key, Normal, Low key)
Product type	Computerised focal-plane shutter
Shutter speed	P(Ps), S, A, M mode: 60 - 1/4000 sec. Bulb: up to 30 min. (selectable longest time in the menu. Default: 8 min.) 1/3, 1/2, or 1EV steps selectable.
Self-timer	Operation time: 12 sec., 2 sec. (cancel available)
Remote cable release	Available (with optional RM-UC1 Remote cable.)
Optical remote control	Operation time: 2 sec., 0 sec., bulb control available (with optional RM-1 remote control)
Anti shock mode	Available (1 to 30 sec selectable)
Drive mode	Single-frame shooting, Sequential shooting H, Sequential shooting L, Self-timer, Remote control
Sequential shooting speed	Approx. 4 frames/sec. in sequential shooting H, 1 to 3 fps selectable in sequential shooting L.
Max. recordable pictures	RAW mode: Max. 5 frames.
on sequential shooting	JPEG mode: Depends on compression ratio and no. of pixels (Large normal mode: approx. up to card capacity with SanDisk Extreme IV 4GB)
Built-in flash	Retractable flash, GN=17 at ISO200, (GN=12 at ISO 100.m)
Compatible external flash	FL-50R, FL-36R, FL-50, FL-36, FL-20
Flash control mode	TTL Auto (TTL pre-flash mode), Auto, Manual
Flash mode	Auto, Red-eye reduction, Red-eye reduction slow sync., Slow sync at 1st curtain, Slow sync at 2nd curtain, Fill-in, Manual (1/4, 1/16, 1/64), Off.
Synchronisation speed	1/180 sec. or less
Flash intensity control	Up to ±3 EV in 0.3, 0.5, 1 EV steps
Flash bracketing	3 frames in 0.3, 0.5, 0.7, 1 EV steps selectable.
Compatible external flash	FL-50R, FL-36R
Control method	Triggered and controlled by built-in flash light
Flash control mode	TTL Auto (TTL pre-flash mode), Auto, Manual, FP TTL Auto, FP Manual.
Number of channel	4 channels
Group setting	3 groups
Mode	Pop Art, Soft Focus, Pale&Light Color, Light Tone, Grainy Film, Pin Hole
Number of picture	2 pictures
Functions	Auto gain, Live View, Exposing on Recorded picture
Aspect Ratio	4:3(Default) / 3:2 / 16:9 / 6:6
Information (shooting)	MENU, INFO, Playback, Liveview, Arrowpad (WB, AF, Metering, ISO), OK, Erase, IS Color Universal Design Organization has certified (E-620, BLS-1 Li-ion battery, BCS-1 Li-ion battery charger)
Information	Battery information, Exposure mode, Shutter speed, Aperture value, Exposure compensation value, ISO sensitivity, Exposure compensation indicator, Exposure indicator, Flash intensity compensation indicator, Date, BKT setting, NR setting, WB, WB compensation value, Picture mode, Flash mode, Record mode, Image size, Card information, Drive mode, Flash intensity compensation value, Metering mode, Recordable still image number, Focusing mode, FP warning, AF frame, AF illuminator deactivated notification, Colour space, Sharpness, Contrast, Saturation, Gradation, IS activating mode, Face detection, RC mode setting, My Mode, Flash Charge, Multi Exposure, Aspect Ratio
Information (wireless flash commander)	Exposure mode, Shutter speed, Aperture value, Exposure compensation value bar, Exposure compensation value Flash compensation value bar, Flash compensation value, ALE notification, Flash compensation notification NR notification, BKT notification, AF illuminator deactivated notification, Color space Wireless channel setting, Built-in flash intensity, Group setting
Back light timer	Back light lighting time is selectable. (Keep, 8, 30sec, 1min)
Playback mode	Single-frame, Index (4/9/16/25/49/100 frames), Calendar, Close-up (2 - 14X), Slideshow, Picture rotation (auto mode available), Light box
Information display	Histogram (independent luminance / RGB available), Highlight / Shadow point warning, AF frame, Shooting information
Languages	Japan: Japanese, English (Additional one language is possible to download.) Others: English, French, German, Spanish, Italian, Japanese, Korean, Traditional Chinese, Simplified Chinese, Russian, Czech, Dutch, Danish, Polish, Portuguese, Swedish, Norwegian, Finnish, Croat, Slovenian, Hungarian, Greek, Slovakian, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian, Bulgarian, Rumanian, Indonesian, Malay, Thai
Custom reset	2 setting recordable
My mode	2 setting recordable
Erasing function	Single frame, All frames, Selected frames
Protect function	Single frame, Selected frames, Release protect (Single/All selected)
Copy between media	Single frame, All frames, Selected frames
RAW picture editing	RAW development
JPEG editing	Shadow adjustment, Red-eye fix, Trimming, Monotone, Sepia, Saturation (colour depth), Resize (producing another file), Aspect Change
Merge function	2-3 pictures, merge gain step 0.1-2.0 0.1 step
Print function	Print reservation (DPOF), Direct print (PictBridge compatible)
PC interface	USB 2.0 High Speed for storage and camera control (MTP mode is available)
USB/Video connector	Dedicated multi-connector (Video: NTSC/PAL selectable, Optional Remote cable RM-UC1 is available)
Flash attachment	Hot shoe
DC-in	No
Battery	BLS-1 Li-ion battery (included)
Sleep mode	Available (1, 3, 5, 10 min., off selectable)
No. of recordable pictures (with 50% flash light)	Approx. 500 shots (optical viewfinder) (with BLS-1 under CIPA testing standard)
Power battery holder	HLD-5 compatible
Dimensions	130 mm (W) x 94.0mm (H) x 60 mm (D) (excluding protrusions)
Weight	475g (body only)
Temperature	0 - 40°C (operation) / -20 - 60°C (storage)
Humidity	30 - 90% (operation) / 10 - 90% (storage)
	No
	Body, Li-ion battery BLS-1, Li-ion battery charger BCS-1, USB/Video Multi cable, Eye piece cover EPC-1, Shoulder strap, OLYMPUS Master CD-ROM, Instruction manual, Warranty card.