Clifton Cameras Product Specification

OM System OM-3 Body Only Full Spec

Product Type		Micro Four Thirds Interchangeable Lens System Camera
Memory	Slot 1	SD, SDHC (UHS-I / II), SDXC(UHS-I / II)
Sensor Size		17.4 mm x 13.0 mm (Micro Four Thirds)
Lens Mount		Micro Four Thirds Mount
Image Sensor	Image Sensor Type	4/3 Stacked BSI Live MOS Sensor
	Number of Pixels	Number of effective pixels: Approx. 20.4 million pixels Total number of pixels: Approx. 22.9 million pixels
	Aspect Ratio	4:3
	Dust Reduction	Supersonic Wave Filter (image sensor dust reduction system)
Still Photo Recording	Recording Format	DCF2.0, Exif3.0
	File Format	JPEG, RAW(12-bit lossless compression), JPEG+RAW
	Recording Image Size	RAW: 5184 x 3888 JPEG: 5184 x 3888 ~ 1024 x 768
	Folder Creation and Selection	Available
Image Stabilisation System	Image Stabilisation Type	Built-in 5-axis sensor-shift image stabilisation
	Image Stabilisation Mode	S-IS AUTO, S-IS1, S-IS2, S-IS3, OFF
	Stabilisation Performance	Compensation steps (In-body IS): center 6.5 steps, corner 5.5 steps *When using M.ZUIKO DIGITAL ED 12-45mm F4.0 PRO at a focal distance of f = 45mm (35mm equivalent: f = 90mm), Yaw/Pitch/Roll compensation performance, CIPA 2024 standard compliant
		Compensation steps (Sync IS): center 7.5 steps, corner 6.5 steps *When using M.ZUIKO DIGITAL ED 12-100mm F4.0 IS PRO at a focal distance of f = 100mm (35mm equivalent: f = 200mm), halfway release image stabilization: Off, Yaw/Pitch/Roll compensation performance, CIPA 2024 standard compliant
	5-axis Sync IS	Available *When using the M.Zuiko Digital lenses equipped with image stabilisation
	Focal Length Setting	11 settings: 10 programmable settings (10 lenses) *Lenses without communication function can be registered
Finder	Finder Type	Eye-level OLED electronic viewfinder, approx. 2.36M dots

	Field of View / Viewfinder Magnification	Approx. 100% / Approx. 1.23x[*1] - 1.37x[*2] (-1m-1, 50mm lens, Infinity) [*1] Finder Style 1, 2 (aspect ratio 4:3) [*2] Finder Style 3 (aspect ratio 4:3)
	Eye Point / Diopter Adjustment Range	Approx. 27 mm (-1m^{-1}, Distance from rear lens surface) / -4 ~ +2m^{-1}
	Display Grid	Off / normal grid / trichotomy /golden grid / scale / diagonal / movie grid *Grid colour is selectable
	Level Gauge	2-axis (horizontal/vertical) level gauge
	Finder Style	3 styles
	Brightness and Colour Temperature Control	Adaptive brightness technology (EVF Auto Luminance) / ±7 level manual brightness control /±7 levels GM ,±7 levels BA manual colour temperature control
	LV Mode	Standard/S-OVF
	Eyecup	EP-15 (bundled), Large eyecup EP-16 (optional)
Monitor	Monitor type	3.0-inch vari-angle monitor (electrostatic capacitance touch panel), Approx. 1620k dots (3:2)
	Tilting Capability	Swivel type
	Touch Control	Shutter release, Touch AF (AF area selection, AF area size adjustment), Subject selection by touch operation, AF targeting pad, Frame forward/backward, Magnified playback, Super Control Panel, Wi-Fi connection, Movie controls, Menu control* *Tab selection/page selection/character input
	Brightness / Colour temperature control	±7 levels / ±7 levels GM,±7 levels BA
Focusing	AF System	High-speed imager AF *Imager phase detection AF and imager contrast AF used in combination
	AF Working Range	Lowest luminance (-5.5 EV) / Highest luminance (19 EV) *ISO approx. 100, with F2.8 lens
	Focusing Point	Cross-type phase detection AF *Two lines up and down are invalid at SH2
		Contrast AF *Two lines up and down are invalid at SH2

	Focusing point / Focusing point selection mode	Cross-type phase detection AF (1,053 points), Contrast AF (1,053 points) / All target, Single target (1 point), Small target (9 points), Cross target (39 points), Middle target (63 points), Large target (165 points), Custom target* (AF area and its increment steps selectable) *Number of saved custom target settings: 4
	Focus Mode	Single AF (S-AF), Single AF (S-AF+MF), Continuous AF (C-AF), Continuous AF (C-AF+MF), Manual Focus (MF), AF tracking (C-AF + TR), AF tracking (C-AF + TR+MF), Preset MF, Starry sky AF (S-AF), Starry sky AF (S-AF+MF)
	C-AF Tracking Sensitivity Settings	5 steps
	C-AF Center Priority	Available
	AF Limiter	Available *Up to 3 distance settings can be saved
	AF Targeting Pad	Available
	Magnified Frame AF	3x, 5x, 7x, 10x, 14x
	Intelligent Subject Detection AF	Human, Formula cars, rally cars, motorcycles / Aircrafts, helicopters / Bullet trains, standard trains, steam locomotives / Birds / Dogs, cats
	Manual Focus Assist	Magnify
	Peaking Function	Colour: 4 colours (white, black, red or yellow)
		Highlight intensity: high, normal or low
		Image brightness Adj.: On or off
	Focus Indicator	Available
	AF Focus Adj.	Available
	AF Illuminator	Available
Exposure Control	Metering System (TTL Image Sensor Metering)	Digital ESP metering (324-area multi pattern metering), Center-weighted average metering, Spot metering*, Spot metering with highlight/shadow control* *Also available AF target spot metering
	Metering Range	Lowest luminance (-2 EV) / Highest luminance (20 EV) *ISO approx. 100, with F2.8 lens
		P/A/S/M/B* *Not available with Movie or S&Q
		B
		LOW (approx.80) ~ 102400 * Upper default ISO 25600
		LOW (approx.80, approx.100), 200 ~ 102400

	Exposure Compensation	±5 EV (adjustable by 1/3, 1/2 or 1 EV steps) *Live View only reflects up to ±3 EV steps
	AE Lock	Available *Locks with a half-press of the shutter button (can be set to other buttons)
	Anti-Flicker Shooting	Available
Shutter	Focal-Plane Shutter (Mechanical Shutter)	1/8000 ~ 60 sec, Live Bulb, LiveTime, Live Composite
	Electronic First Curtain Shutter	1/320 ~ 60 sec *Shutter speed faster than 1/320 sec will be automatically switched to mechanical shutter.
	Electronic Shutter (Silent Mode)	1/32000 ~ 60 sec *Settings for sound, AF illuminator, and flash can be set to ON/OFF separately, default setting is Off for all three
		Video recording 1/30 ~ 1/500.0 Still 1/50.0 ~ 1/6944 *Video recording S/M mode, Still S/M silent mode only
Drive	Sequential Shooting Maximum Speed	[Sequential shooting] approx. 6 fps with selectable 1-6 fps
		[Anti-shock sequential shooting] approx. 5.5 fps with selectable 1-6 fps
		[Silent sequential shooting] approx. 20 fps with selectable 5, 10, 15, 20 fps
		[Silent sequential shooting SH1] approx. 120 fps with selectable 30, 60, 100, 120 fps
		[Silent sequential shootingSH2] approx 50 fps with selectable 12.5, 16.7, 25, 50, fps *Slower shutter speeds and flash can not be used. *Compatible lenses are limited.
		[Pro Capture] approx. 20 fps with selectable 5, 10, 15, 20 fps
		[Pro Capture SH1] approx. 120 fps with selectable 30, 60, 100, 120 fps *Slower shutter speeds and flash can not be used. *Focus and exposure are fixed at first frame.
		[Pro Capture SH2] approx. 50 fps with selectable 12.5, 16.7, 25, 50 fps *Slower shutter speeds and flash can not be used. *Compatible lenses are limited.
	Sequential Shooting Maximum Recordable Frames *The lens used: M.Zuiko Digital ED 12-40mm F2.8 PRO II and the KIOXIA KSDXU-A064G (UHS-II U3	Sequential shooting at max. fps [RAW]: Until card is full
		Sequential shooting at max. fps [JPEG default]: Until card is full
		Silent sequential shooting at max. fps [RAW]: Approx. 151
		Silent sequential shooting at max. fps [JPEG LF]: Approx. 375

	Class10 64GB) memory card. *Low ISO processing: Priority is given to sequential shooting	Silent sequential shooting SH1 at max. fps [RAW]: Approx. 88
		Silent sequential shooting SH1 at max. fps [JPEG LF]: Approx. 90
		Silent sequential shooting SH2 at max. fps [RAW]: Approx. 102
		Silent sequential shooting SH2 at max. fps [JPEG LF]: Approx. 125
	Lenses compatible with SH2 50fps	M.ZUIKO DIGITAL ED 12-40mm F2.8 PRO M.ZUIKO DIGITAL ED 12-40mm F2.8 PRO II M.ZUIKO DIGITAL ED 12-100mm F4.0 IS PRO M.ZUIKO DIGITAL ED 40-150mm F2.8 PRO M.ZUIKO DIGITAL ED 150-400mm F4.5 TC 1.25x IS PRO M.ZUIKO DIGITAL ED 300mm F4.0 IS PRO
	Lenses not compatible with SH2	M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6 M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6 L M.ZUIKO DIGITAL ED 17mm F2.8
Flash	Flash Intensity Control Method	TTL Auto, Manual, Auto, Super FP (FP-TTL AUTO, FP-MANUAL) *Auto and Super FP are available on the external flash
	Flash Mode	Fill-in, Flash Off, Slow sync., Manual* *Manual is available only with FL-LM3/STF-8
	Reduce Red-eye	Available
	Synchro Settings	1st curtain, 2nd curtain selectable
		1/250 sec. or slower *When using Super FP: 1/125 - 1/8000 sec. *When using electronic shutter: 1/100 sec. at up to ISO12800, 1/50 sec. at ISO16000 or higher, and 1/50 sec. for ISO bracketing
	Slow Limit	60"-1/250
	Flash Intensity Control	±3 EV (1/3, 1/2, 1 EV steps selectable)
	Compatible External Flash	FL-LM3, FL-900R, STF-8, FL-700WR
		FL-900R, FL-700WR
		FL-LM3, FL-900R, STF-8, FL-700WR
	Commander Flashes	FL-LM3, FL-900R, STF-8, FL-700WR
	Channel	4 channels
		3 groups (external flash 2 groups + commander flash)
	Radio Wireless Control	Available (FL-700WR, FC-WR)
	External Flash Intensity Type	TTL Auto, Manual, Auto, FP-TTL AUTO, FP-MANUAL
White Balance	White Balance Mode	Auto WB, 7 WB presets, 4 Capture WB, Custom WB (Kelvin setting)
		±7 steps along A-B / G-M axis (including custom WB)
Colour Mode	Colour Matrix	sRGB, Adobe RGB

Picture Mode	Picture Mode	i-Finish, Vivid, Natural, Flat, Portrait, Monotone, Custom, Underwater, Colour Creator, Art Filters, Monochrome profile control, Colour profile control
	Gradation	4 types (Auto, Normal, High Key, Low Key) *Except when using Underwater, Art Filters, Color Creator and Profile Control
	Highlight and Shadow Control	Adjustable at ±7 steps each for highlight, shadow, and midtone
Art Filter	Art Filter	Pop Art, Soft Focus, Pale & Light Colour, Light Tone, Grainy Film, Pin Hole, Diorama, Cross Process, Gentle Sepia, Dramatic Tone, Key Line, Water Colour, Vintage, Partial Colour (18 colour selectable), Bleach Bypass, Instant Film
Color Creator	Color Creator	Available
Monochrome Profile Control	Monochrome Profile Control	Color filter effect: None/8 colours (Red, Orange, Yellow, Yellow-Green, Green, Cyan, Blue, Magenta) with 3 steps Shading effect: 11 steps (-5 ~ +5) Film grain effect: Off/Low/Med/High Monochrome colour: Normal/Sepia/Blue/Purple/Green *Settings can be stored individually to MONO1/MONO2/MONO3/MONO4. Settings of Highlight & Shadow Control can be stored as well.
Color Profile Control	Color Profile Control	Saturation of 12 colours can be adjusted in 11 steps (-5 ~ +5) Shading effect: 11 steps (-5 ~ +5) *Settings can be stored individually to COLOR1/COLOR2/COLOR3/COLOR4. Settings of Highlight&Shadow Control can be stored as well
Bracketing	Exposure Bracketing	3 or 5 frames (0.3/0.7/1.0EV steps selectable), 7 frames (0.3/0.7EV steps selectable)
	ISO Bracketing	3 frames (0.3/0.7/1.0EV steps selectable)
	White Balance Bracketing	3 frames (A-B/G-M axis*) *Selectable in 2, 4, 6 steps each)
	Flash Bracketing	3 frames (0.3/0.7/1.0EV steps selectable)
	Art Filter Bracketing	i-Enhance, Vivid, Natural, Muted, Portrait, Monotone, Custom, Under Water, Art Filters, Color Creator and Profile Control selectable
	Focus Bracketing	3 - 999 frames (focus step selectable from 1-10) Flash charge time (selectable from 0, 0.1, 0.2, 0.5, 1, 2, 4, 8, 15 or 30 sec.)
	Focus Stacking	Available

	Focus Stacking Compatible Lenses	M.ZUIKO DIGITAL ED 7-14mm F2.8 PRO M.ZUIKO DIGITAL ED 8-25mm F4.0 PRO M.ZUIKO DIGITAL ED 12-40mm F2.8 PRO M.ZUIKO DIGITAL ED 12-40mm F2.8 PRO II M.ZUIKO DIGITAL ED 12-45mm F4 PRO M.ZUIKO DIGITAL ED 12-100mm F4.0 IS PRO M.ZUIKO DIGITAL ED 40-150mm F2.8 PRO M.ZUIKO DIGITAL ED 40-150mm F4.0 PRO M.ZUIKO DIGITAL ED 100-400mm F5.0-6.3 IS M.ZUIKO DIGITAL ED 100-400mm F5.0-6.3 IS II M.ZUIKO DIGITAL ED 150-400mm F4.5 TC1.25x IS PRO M.ZUIKO DIGITAL ED 8mm F1.8 Fisheye PRO M.ZUIKO DIGITAL ED 30mm F3.5 Macro M.ZUIKO DIGITAL ED 60mm F2.8 Macro M.ZUIKO DIGITAL ED 90mm F3.5 Macro IS PRO M.ZUIKO DIGITAL ED 300mm F4.0 IS PRO M.ZUIKO DIGITAL 1.4x Teleconverter MC-14 M.ZUIKO DIGITAL 2x Teleconverter MC-20
HDR Function	HDR (Auto Composite)	HDR1, HDR2 (painting-like) *ISO sensitivity is fixed at 200, and maximum shutter speed setting is 4 sec.
	Bracketing for HDR Postprocess	3 or 5 frames (2.0 or 3.0 EV steps), 7 frames (2.0 EV steps)
Keystone Compensation	Keystone Compensation	Available
Fisheye Compensation	Fisheye Compensation	3 Styles *Enabled when M.Zuiko Digital ED 8mm F1.8 Fisheye PRO is used.
Live ND	Live ND	Available *S/M mode only, flash can not be used, ISO up to 800, the maximum shutter speed is 1/60 (when ND2 is set) and the speed drops if the number of ND steps is raised.
Live GND	Live GND	Available *P/A/S/M mode, flash can not be used, ISO up to 3200(up to 1600 in ISO Auto), the maximum shutter speed is 1/16000 (when ND2 is set) and the speed drops if the number of ND steps is raised.
	Filter Type	3 styles (Soft / Medium / Hard)
	Filter adjustment	Available *Adjustable filter position and angle

High Res Shot	Tripod High Res Shot	JPEG (80M) 10368 x 7776 JPEG (50M) 8160 x 6120 JPEG (25M) 5760 x 4320 RAW* 10368 x 7776 *High Res RAW Recording bit: 12bit / 14bit
	Handheld High Res Shot	JPEG (50M) 8160 x 6120 JPEG (25M) 5760 x 4320 RAW* 8160 x 6120 *High Res RAW Recording bit: 12bit / 14bit
Live Bulb / Live Time	Live Bulb / Live Time	Available *Update interval time 0.5 sec. - 60 sec.
Live Composite	Live Composite	Available *Update interval time 0.5 sec. - 60 sec.
Interval Shooting	Interval Shooting	Available *Creating Time-lapse movie is possible with interval shooting up to 999 frames. *Time priority, Frame priority selectable *Exposure smoothing is available
Multiple Exposure	Number of Frames	2 frames / auto gain adjustment, exposure on recorded picture (RAW)
Multi Aspect	Multi Aspect	4:3 (Default), 3:2, 16:9, 1:1, 3:4
One Push Tele-Converter	Magnification	2x
Level Gauge	Detection	2-axis (horizontal / vertical)
Video Recording	Video Recording Format	MOV (MPEG-4AVC / H.264), YCbCr 4:2:0 (8bit)
	4096 x 2160 (C4K) Recording rate 48kHz/16bit	30p, 25p, 24p / LongGOP (approx. 102Mbps) 60p, 50p / LongGOP (approx. 202Mbps)
	4096 x 2160 (C4K) Recording rate 96kHz/24bit	30p, 25p, 24p / LongGOP (approx. 105Mbps) 60p, 50p / LongGOP (approx. 205Mbps)
	3840 x 2160 (4K) Recording rate 48kHz/16bit	30p, 25p, 24p / LongGOP (approx. 102Mbps) 60p, 50p / LongGOP (approx. 202Mbps)
	3840 x 2160 (4K) Recording rate 96kHz/24bit	30p, 25p, 24p / LongGOP (approx. 105Mbps) 60p, 50p / LongGOP (approx. 205Mbps)
	1920 x 1080 (FHD) Recording rate 48kHz/16bit	30p, 25p, 24p / ALL-I (approx. 202Mbps), LongGOP (approx. 27Mbps) 60p, 50p / LongGOP (approx. 52Mbps)

	1920 x 1080 (FHD) Recording rate 96kHz/24bit	30p, 25p, 24p / ALL-I (approx. 205Mbps), LongGOP (approx. 30Mbps) 60p, 50p / LongGOP (approx. 55Mbps)
	Video Recording Format	MOV (HEVC/H.265), YCbCr 4:2:0（10bit）
	4096 x 2160 (C4K) Recording rate 48kHz/16bit	30p, 25p, 24p / LongGOP (approx. 77Mbps) 60p, 50p / LongGOP (approx. 152Mbps)
	4096 x 2160 (C4K) Recording rate 96kHz/24bit	30p, 25p, 24p / LongGOP (approx. 80Mbps) 60p, 50p / LongGOP (approx. 155Mbps)
	3840 x 2160 (4K) Recording rate 48kHz/16bit	30p, 25p, 24p / LongGOP (approx. 77Mbps) 60p, 50p / LongGOP (approx. 152Mbps)
	3840 x 2160 (4K) Recording rate 96kHz/24bit	30p, 25p, 24p / LongGOP (approx. 80Mbps) 60p, 50p / LongGOP (approx. 155Mbps)
	1920 x 1080 (FHD) Recording rate 48kHz/16bit	30p, 25p, 24p / ALL-I (approx. 82Mbps), LongGOP (approx. 22Mbps) 60p, 50p / ALL-I (approx. 162Mbps), LongGOP (approx. 42Mbps)
	1920 x 1080 (FHD) Recording rate 96kHz/24bit	30p, 25p, 24p / ALL-I (approx. 85Mbps), LongGOP (approx. 25Mbps) 60p, 50p / ALL-I (approx. 165Mbps), LongGOP (approx. 45Mbps)
	Vertical Video	Available *Video files are saved vertically when holding the camera vertically to shoot. *Videos are not played in the vertical orientation on the camera.
	Art Filter Movie	Available *Frame rates may drop when certain Art Filters are used.
	Digital Tele-converter	Approx. 1.4x
	Time Lapse Movie	3840 x 2160 (4K) / 5fps, 10fps, 15fps, 30fps 1920 x 1080 (FHD) / 5fps, 10fps, 15fps, 30fps 1280 x 720 (HD) / 5fps, 10fps, 15fps, 30fps
	S&Q Movie (Slow Motion / Quick Movie)	Capturing Frame Rate: 240fps, 200fps, 120fps, 100fps, 60fps, 50fps, 30fps, 25fps, 24fps, 15fps, 12fps, 8fps, 6fps, 3fps, 2fps, 1fps *Selectable capturing frame rates are limited depending on the recording codec, image size, frame-to-frame compression, and playback frame rate settings.
	Image Stabilisation for Video Recording	M-IS1 (multi motion IS by Image sensor shift and electronic image stabiliser), M-IS2 (Multi motion IS by Image sensor shift), OFF *Field of view varies when using M-IS1. Using lens which is equipped with image stabilisation can be given top priority.

	Grid Line	Available
	Focus Peaking	4 colours
	Zebra Patttern Settings	Available * 2 levels selectable to set
	Center Marker	Available
	Red Frame during REC	Available
	Recording Lamp	2 steps (Low, High) *Combines with AF illuminator
	Time Code	Rec run / free run, drop frame / non-drop frame
	Live View Output via HDMI	Monitor mode / Record mode / RAW mode *In monitor mode, the image can not be enlarged on the camera when a movie is being recorded. In record mode, movie quality can be set to YCbCr 4:2:2 (8 bit). When recording simultaneously on the camera in 4K/C4K/FHD HS, 4:2:0 is up-sampled to 4:2:2 *In RAW mode, output video quality is 4K/C4K 12bit RAW data, frame rate follows movie setting, and sound will be recorded. Footages can not be displayed on camera monitor and no videos and sounds will be recorded to the camera.
	Movie Picture Mode	Flat, OM-Log400, HLG, OM-Cinema1, OM-Cinema2
	AE Lock	Available
Recording (Sound)	Sound Recording Format	Wave format (stereo linear PCM/16-bit, sampling frequency 48kHz)
	High-Resolution Audio Recording	Stereo linear PCM/24-bit, sampling frequency 96kHz
	Microphone / Speaker	Built-in stereo microphone / built-in mono speaker *External stereo microphone can be attached
	Microphone Function	Wind noise reduction, recording volume, microphone volume limiter *Audio dubbing possible for still pictures (up to 30 sec.)
	Camera-side recording adjustment when an external microphone is attached	Selectable (Enable/Disable)
Wi-Fi Function	GPS Info. Function	Available *Via GPS smartphone
	Wireless Shooting (Live View Remote Control)	Live view, rec view, wireless touch AF shutter, self timer (w/ countdown guidance, sequential shooting, movie recording capability), movie recording, power off
	Image Share	Available *Marking function for image share is available.
	Easy Connection	Connect using a QR code
Bluetoot	Easy Connection	Easy Wi-Fi connection using Bluetooth

h Function	Simple Image Transfer (Power-Off Standby)	When the power is off, images can be automatically imported using the marking function for image share / remotely viewed. (Activated via Bluetooth and imported via Wi-Fi)
	Wireless Shooting (Wireless Release Remote Control)	Wireless release (pressing the shutter button halfway / fully), movie start / stop
	Accessories Remote Control	Wireless release (pressing the shutter button halfway / fully), movie start / stop
	Record of location informationion	Available *Via GPS smartphone
USB RAW Developing	Developing by PC application using camera	Developing by PC application using camera DSP
Web Camera		UVC (USB Video Class) / UAC (USB Audio Class)
Playback	Playback Mode	Single-frame, information display, index display (4/9/25/100 frames), calendar, enlargement (2x - 14x), movie (with sound, FF/REW/pause), picture rotation (auto)
	Information Display	Histogram (independent luminance / RGB available), highlight/shadow point warning, AF frame, photographic information, off
Image Editing	Movie Editing Function	Trimming (beginning / end), in-movie image extraction (4K only)
	Editing Function	RAW data edit, gradation auto, monochrome, sepia, red-eye fix, saturation, resize (1280x960, 640x480, 320x240), trimming, aspect, image overlay, post recording
	RAW Data Edit	RAW data edit based on settings of the camera (including Color Creator, Art Filter, ART-BKT)
	Rating	Rating Setting
Print	Print Function	Print reservation (DPOF)
Menu Language	Languages	18 languages selectable: - English, French, German, Spanish, Italian, Japanese, Traditional Chinese, Simplified Chinese, Russian, Czech, Dutch, Polish, Portuguese, Swedish, Norwegian, Finnish, Turkish, Thai
Weather proof Construction	Splashproof / Dustproof Type	IEC Standard publication 60529 IP53 (applies when the body is used with our splashproof Lens. When used an IP53 lens, performance is IP53, When used with an IPX1 lens, performance becomes IPX1.)
	Freezeproof	-10°C
Input / Output	USB	USB Type-C
	HDMI Connector	Micro HDMI (type D)

	Flash Attachment	Hot shoe
		Built-in (IEEE 802.11b/g/n)
	Bluetooth	Built-in (Bluetooth Ver.4.2 Bluetooth Low Energy)
	Microphone Input Jack	φ3.5 stereo mini jack (plug-in power on/off)
	Headphone Connector	φ3.5 stereo mini jack
	PC Interface	USB3.0 (Superspeed)
Power Requirements		BLX-1 Li-ion battery
	Battery Status Display	Remaining power (10 steps, %, or by-minute display), shot count, degradation
		Optional F-5AC USB-AC adapter
	USB Bus Power	A USB PD bus power can be used *PD compliant Camera: Rev 3.0 Ver 1.0a
	USB Charging	Built-in battery can be charged with USB * When the camera power is off * Performance varies depending on different USB devices
	Sleep Mode	1/3/5 min., off
	Number of Recordable Images	Standard mode: approx. 590 shots / Quick sleep mode: approx. 1040 shots *With KIOXIA KSDXU-A064G (UHS-II U3 Class10 64GB) and a bundled battery, based on CIPA test standards
	Movie Recording Time (min.)	CIPA standard compliant: approx. 120 minutes When zoom and other operational functions are not used: approx. 190 minutes
	Continuous Movie Recording Time (min.)	CIPA standard compliant: Until card is full or battery runs out *At 23°C (±3°C)
Dimensions / Weight	Dimensions	Approx. 139.3mm (W) x 88.9mm (H) x 45.8mm (D) *Based on CIPA standards: excludes protrusions
	Weight (g)	Based on CIPA standards, with 1x bundled battery and 1 memory card, without eyecup: 496g
		Body only: 413g
Operating Environment	Temperature	-10°C ~ +40°C (when in operation), -20 ~ +60°C (when stored)
	Humidity	30%~90% (when in operation), 10%~90% (when stored)
Box Contents		Body, CB-USB13 USB cable, Shoulder strap, Instruction manual, Warranty card, BLX-1 Li-ion battery
Vulnerability Support Period	Certification Number	IM036

	Product firmware	29/02/2028
*For the countries /areas legally required to be listed (e.g. UK PSTI, European Cybe Security, etc.)		
	Software & Applications	OM Workspace 2028/2/29
		OI. Share 2028/2/29
Energy Regulati on ErP Lot6

*For the countries /areas legally required to be listed (EU, EFTA, Turkey) | Off mode | Power: 0W |
		Transition Time: 1 min.
	Standby mode	Power (W): N/A
		Transition Time (min): N/A
	Network Standby mode	Power: 0W
		Transition Time: 1 min.