



Clifton Cameras Product Specification

OM System OM-5

Product Type

Product Type: Micro Four Thirds interchangeable lens system Camera

Memory: SD, SDHC (UHS-I / II), SDXC (UHS-I / II)

Sensor Size: 17.4mm x 13.0mm (Micro Four Thirds)

Lens Mount: Micro Four-Thirds Mount

Image Sensor

Image Sensor Type: 4/3 Live MOS Sensor

Number of Pixels: Number of effective pixels: Approx. 20.4 million pixels

Aspect Ratio: 4:3

Dust Reduction: Supersonic Wave Filter (image sensor dust reduction system)

Still Photo Recording

Recording Format: DCF2.0, Exif2.31

File Format: JPEG, RAW(12-bit lossless compression), JPEG+RAW

Recording Image Size:

- RAW: 5184x 3888
- JPEG : 5184 x 3888 ~ 1024 x 768

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 (Body only): 6.5 *When using the M.ZUIKO DIGITAL ED 12-40mm F2.8 PRO

Focal length: 40mm (35mm equivalent: 80mm)

Compensation steps (Sync IS): 7.5

*When using the M.ZUIKO DIGITAL ED 12-100mm F4.0 IS PRO Focal length: 100mm (35mm equivalent: 200mm), halfway release image stabilisation Off

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 lens), 1 open setting *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. 27mm (-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) / ± 2 level manual brightness control / ± 3 level manual colour temperature control.

S-OVF (Simulated OVF): Available

Eyecup: EP-15 (bundled), Large eyecup EP-16 (optional)

Monitor

Monitor Type: 3.0-inch vari-angle monitor (electrostatic capacitance touch panel), Approx. 1.04M dots (3:2),

Touch Control: Shutter release, Touch AF (AF area selection, AF area size adjustment), Face selection by touch operation, AF targeting pad, Frame forward/backward, Magnified playback, Live Guide, Super Control Panel, Wi-Fi connection

Tilting Capability: Swivel Type (mirror display when monitor is in self portrait position)

Brightness/Colour Temperature Control: ± 7 levels / ± 7 levels

Colour Tone Select: Vivid / Natural

Focusing

AF System: High-speed imager AF *Imager phase detection AF and imager contrast AF used in combination

Focusing point/ Focusing Point Selection Mode: Cross-type phase detection AF (121 points), Contrast AF (121 points) / All target, Single target (Normal), Single target (Small), Group target (5 area), Group target (9 area), Group target (25 area), Custom target* (AF area and its increment steps selectable)

*Number of saved custom target settings: 4

Focus Mode: Single AF (S-AF), Single AF+MF (S-AF+MF), Continuous AF (C-AF), Continuous AF+MF (C-AF+MF), Manual Focus (MF), AF tracking (C-AF + TR), AF tracking+MF (C-AF + TR+MF), Preset MF, Starry sky AF (S-AF), Starry sky AF+MF (S-AF+MF)



C-AF Tracking Sensitivity Settings: 5 steps

C-AF Center Priority: Available

C-AF Center Start: Available

AF Limiter: Available * Up to 3 distance settings can be saved

AF Targeting Pad: Available

Magnified Frame AF: 3x, 5x, 7x, 10x, 14x

Super Spot AF: Available

Face Detection AF / EYE Detection AF: Available

Magnify MF: Available

Peaking Function: Available

Focus Indicator: Available

AF Focus Adj.: Available

AF Illuminator: Available

Exposure Control (Still)

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

Shooting Mode: AUTO (Live Guide can be used)

Program AE (Program shift can be performed)
Aperture priority AE
Shutter priority AE
Manual
Bulb (Live Bulb, Live Time and Live Composite are available)
Custom
Scene select AE
Art Filter

ISO Sensitivity (AUTO): LOW (~approx.64) ~6400

ISO Sensitivity (MANUAL): LOW (approx.64, approx.100), 200 ~ 25600

Exposure Compensation: ± 5 EV (adjustable by 1/3, 1/2 or 1 EV steps)



AE Lock: Available

*Locks with a half-press of the shutter button (can be set to other buttons) Shutter Speed

Anti-Flicker Shooting: Available

Shutter

Focal-plane Shutter (mechanical shutter): 1/8000 ~ 60 sec, Live Bulb, LiveTime, Live Composite

Anti-Flicker Shooting: Available

Shutter

Focal-Plan 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

Flicker Scan: Video recording 1/30 ~ 1/250.0 Still 1/50.0 ~ 1/6944

*Video recording S/M mode, Still S/M silent mode only

Drive

Sequential Shooting Maximum Speed:

[Sequential shooting H] approx. 10 fps with selectable 5 -10 fps

[Sequential shooting L] approx. 6fps with selectable 1-6 fps

[Anti-shock sequential shooting L] approx. 5.5 fps with selectable 1-6 fps

[Silent sequential shooting H] approx. 30 fps with selectable 15, 20, 30 fps

[Silent sequential shooting L] approx. 10 fps with selectable 1-10fps

[Pro Capture H] approx. 30 fps with selectable 15, 20, 30fps

* Slower shutter speeds and flash can not be used

[Pro Capture L] approx. 10 fps

*Slower shutter speeds and flash can not be used.

*Compatible lenses are limited.

*The minimum aperture is f/8.



Sequential shooting maximum recordable frames:

Sequential shooting H 10 fps [RAW]: Approx. 149 [JPEG LF]: Until card is full

Sequential shooting L 6 fps [RAW]: Until card is full [JPEG LF]: Until card is full

Silent sequential shooting H 30 fps [RAW]: Approx. 18 [JPEG LF]: Approx. 20

Silent sequential shooting L 10 fps [RAW]: Approx. 138 [JPEG LF]: Until card is full

*When using the M.Zuiko Digital ED 12-40mm F2.8 PRO II and the KIOXIA KSDXU-A064G memory card with standard card setting.

*Low ISO processing: Priority is given to sequential shooting

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: Redeye, Fill-in, Flash Off, Red-eye Slow sync. (1st curtain), Slow sync. (1st curtain), Slow sync. (2nd curtain), Manual (1/1 (FULL) ~ 1/64)

Synchronisation Speed: 1/250 sec. When using Super FP: 1/125-1/8000 sec. When using electronic shutter: 1/50 sec. up to ISO6400, 1/20 sec. for ISO 8000 and higher, and 1/20 sec. for ISO bracketing

Flash Intensity Control: ± 3 EV (1/3, 1/2, 1 EV steps selectable)

Compatible External Flash: FL-LM3, FL-600R, FL-900R, STF-8, FL-700WR

Wireless Flash Control

OM SYSTEM (Olympus) Wireless RC Flash system (Triggered and controlled by flash)

Compatible external flash: FL-600R, FL-900R, FL-700WR

Commander Flashes: FL-LM3, FL-600R, FL-900R, STF-8, FL-700WR

Radio Wireless Control: Available

External Flash Intensity Type: TTL Auto, Manual, Auto, FP-TTL AUTO, FP-MANUAL

Channel: 4 Channels

Group No: 4 groups (External Flash 3 Groups + Commander Flash)

White Balance

White Balance Mode: Auto WB, 7 WB presets, 4 Capture WB, Custom WB (Kelvin setting)

White Balance Compensation: ± 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, e-Portrait, Underwater, Colour Creator, Art Filters

Gradation: 4 types (Auto, Normal, High Key, Low Key) *Except when using e-Portrait, Underwater, Art Filters, Colour Creator

Hi-light and Shadow Control: ± 7 steps each for highlight, shadow, mid tone

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

Bracketing

Exposure Bracketing: 2, 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: Available

External Flash Intensity Type: 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, Art Filters, Colour Creator, Underwater selectable

Focus Bracketing: 3 to 999 frames (step 1 to 10 selectable) Flash charge time (0, 0.1, 0.2, 0.5, 1, 2, 4, 8, 15, 30 sec. selectable)

Focus Stacking: Available

Focus Stacking Compatible Lens:

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 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 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.

High Res Shot

Handheld High-Res Shot:

JPEG (50M) 8160 x 6120
JPEG (25M) 5760 x 4320
RAW 8160 x 6120

Tripod High-Res Shot:

JPEG (50M) 8160 x 6120
JPEG (25M) 5760 x 4320
RAW 10368 x 7776

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 Mode

Interval Mode: Available

*Creating Time-lapse movie is possible with interval shooting up to 999 frames.

*Time priority, Frame priority selectable

*Exposure smoothing is available

Multi Exposure: 2 frames / auto gain adjustment, exposure on recorded picture (RAW)

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)

4096 x 2160 (C4K): 24p / IPB (Approx.237Mbps)

3840 x 2160 (4K): 30p、25p、24p / IPB (Approx. 102Mbps)

1920 x 1080 (FHD): 30p、25p、24p / ALL-I (Approx. 202Mbps) , IPB (Approx. 52Mbps、Approx. 30Mbps、Approx. 18Mbps) 60p、50p / IPB (Approx. 52Mbps、Approx. 30Mbps、Approx. 18Mbps)

1280 x 720 (HD): 60p、50p、30p、25p、24p / ALL-I (Approx. 102Mbps) , IPB (Approx. 26Mbps、Approx. 14Mbps、Approx. 10Mbps)

Maximum Recording Time: -

Art Filter Movie: Available *Frame rates may drop when certain Art Filters are used.

One-push Movie Digital Converter: Approx. 3x

High Speed Movie: 120fps (1920 x 1080 / MOV)

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

Time Code: Rec run / free run, drop frame / non-drop frame

Live View Output Via HDMI: Monitor mode / Record mode

*In monitor mode, the image can not be enlarged on the camera when a movie is being recorded.

*In record mode, 4K / C4K can not be set.

*In record mode, movie quality can be set to YCbCr 4:2:2 (8 bit).

Movie Picture Mode: Flat, OM-Log400

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.)

Wireless Connection

GPS info. Function: Available *Via GPS Smartphone

Wireless Shooting: Live View, Rec View, Wireless Touch AF shutter, Self Timer (w/ Countdown guidance, Sequential shooting, movie recording capability), Wireless Release, Movie Recording, Power Off

Image Share: Available

*Marking function for image sharing is available.

Easy Connection: Connect using a QR code

Connect using Bluetooth (View, Transfer only)

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, e-Portrait, Image Overlay, Post recording

RAW Data Edit: RAW data edit based on settings of the camera (including e-Portrait, Colour Creator, Art Filter, ART-BKT).

Print Function: Print Reservation (DPOF)

Menu Language: 18 languages selectable :

- English, French, German, Spanish, Italian, Japanese, Traditional Chinese, Simplified Chinese, Russian, Czech, Dutch, Polish, Portuguese, Swedish, Norwegian, Finnish, Turkish, Thai

Weatherproof Construction

Splashproof Type / Dustproof: 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.) / Dustproof

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.

Freezeproof: -10°C



Input/ Output

USB: USB Micro-B (USB2.0 Hi-Speed)

Remote Controller Connector: ø2.5Pin Jack (Optional remote cable RM-CB2, remote controller RM-WR1 can be used)

HDMI Connector: Micro HDMI (type D)

Flash Attachment: Hot Shoe

Wireless LAN: Built-in (IEEE 802.11b/g/n)

Bluetooth: Built-in (Bluetooth Ver.4.2 Bluetooth Low Energy)

Microphone Input Jack: ø3.5 stereo mini jack (plug-in power on/off)

Power Requirements

Battery: BLS-50 Li-ion battery

Battery Status Display: Remaining power (4 steps)

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: 310 shots / Quick sleep mode: 660 shots

*With KIOXIA KSDXU-A064G, IS ON, with no flashes attached, based on CIPA test standards

Battery Life For Movie Recording: Under standard JEITA testing: 60 minutes

When zoom and other operational functions are not used: 110 minutes

Dimensions/Weight

Dimensions: Approx. 125.3mm(W) x 85.2mm(H) x 49.7mm(D)

*Based on CIPA standards: excludes protrusions

Weight:

Based on CIPA standards, with 1x BLS-50 battery and 1 memory card, without eyecup): 414g

Body only: 366g

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 Content: Body, USB cable, Shoulder strap, Instruction manual, Warranty card, BLS-50 Li-ion battery, F-5AC AC adapter