

Type

Digital Single Lens Mirrorless camera

Lens mount

Micro Four Thirds mount

Image Sensor Type

Live MOS sensor (17.3 x 13.0 mm)

Camera effective pixels / Total pixels

20.33 megapixels / 21.77 megapixels

AR (Anti Reflection) coating

Yes

Aspect ratio / Color filter

4:3 / Primary color filter

Dust reduction system

Image sensor shift type

Still Image Recording file format

Still image: JPEG (DCF, Exif 2.31), RAW

6K PHOTO / 4K PHOTO: 6K PHOTO: MP4 (H.265/HEVC, Audio format: AAC (2ch))

4K PHOTO: MP4 (H.264/MPEG-4 AVC, Audio format: AAC (2ch))

Extracted still images: JPEG (DCF, Exif 2.31)

Aspect ratio

4:3 / 3:2 / 16:9 / 1:1

File size (Pixels)

4:3: 5184x3888(L) / 3712x2784(M) / 2624x1968(S) / 4992x3744(6K PHOTO) / 3328x2496(4K PHOTO)

3:2: 5184x3456(L) / 3712x2480(M) / 2624x1752(S) / 5184x3456(6K PHOTO) / 3504x2336(4K PHOTO)

16:9: 5184x2920(L) / 3840x2160(M) / 1920x1080(S) / 3840x2160(4K PHOTO)

1:1: 3888x3888(L) / 2784x2784(M) / 1968x1968(S) / 2880x2880(4K PHOTO)

Image quality

RAW / RAW+Fine / RAW+Standard / Fine / Standard

Color space

sRGB, AdobeRGB

RMotion Capture recording file format

MOV: H.264/MPEG-4 AVC, H.265/HEVC (Audio format: LPCM (2ch 48kHz/16-bit, 48kHz/24-bit, 96kHz/24-bit))

Recording file format

MOV: H.264/MPEG-4 AVC, H.265/HEVC (Audio format: LPCM (2ch 48kHz/16-bit, 48kHz/24-bit, 96kHz/24-bit))

System frequency

59.94Hz / 50.00Hz / 24.00Hz

Image area of video

Full / Pixel by Pixel

MOV

59.94Hz: [C4K] 4096x2160: 59.94p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)
59.94p, 150Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
29.97p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
23.98p, 400Mbps (4:2:2 10-bit ALL-Intra)/150Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
59.94Hz: [4K] 3840x2160: 59.94p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)
59.94p, 150Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
29.97p, 400Mbps (4:2:2 10-bit ALL-Intra)/150Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
23.98p, 400Mbps (4:2:2 10-bit ALL-Intra)/150Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
59.94Hz: [Anamorphic 6K] 4992x3744 (4:3): 29.97p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)
23.98p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)
59.94Hz: [Anamorphic 4K] 3328x2496 (4:3): 59.94p, 150Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
29.97p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
23.98p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
59.94Hz: [FHD] 1920x1080: 59.94p, 200Mbps (4:2:2 10-bit ALL-Intra)/100Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
29.97p, 200Mbps (4:2:2 10-bit ALL-Intra)/100Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
23.98p, 200Mbps (4:2:2 10-bit ALL-Intra)/100Mbps (4:2:2 10-bit LongGOP)/100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

50.00Hz: [C4K] 4096x2160: 50.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)
50.00p, 150Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
25.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
50.00Hz: [4K] 3840x2160: 50.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)
50.00p, 150Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)
25.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

50.00Hz: [Anamorphic 6K] 4992x3744 (4:3): 25.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)

50.00Hz: [Anamorphic 4K] 3328x2496 (4:3): 50.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)

50.00p, 150Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

25.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

50.00Hz: [FHD] 1920x1080: 50.00p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

25.00p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

24.00Hz: [C4K] 4096x2160: 24.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

24.00Hz: [4K] 3840x2160: 24.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

24.00Hz: (Anamorphic 6K] 4992x3744 (4:3): 24.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM, High-Res Audio)

24.00Hz: [Anamorphic 4K] 3328x2496 (4:3): 24.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

24.00Hz: [FHD] 1920x1080: 24.00p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) / 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM, High-Res Audio)

MP4

59.94Hz: [4K] 3840x2160: 59.94p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)

29.97p, 72Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)

23.98p, 72Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)

29.97p, 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

23.98p, 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

59.94Hz: [FHD] 1920x1080: 59.94p, 28Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

29.97p, 20Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

23.98p, 24Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

50.00Hz: [4K] 3840x2160: 50.00p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)

25.00p, 72Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)

25.00p, 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

50.00Hz: [FHD] 1920x1080: 50.00p, 28Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

25.00p, 20Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

Variable Frame MOV

59.94Hz: [C4K] 4096x2160: 29.97p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

23.98p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

59.94Hz: [4K] 3840x2160: 29.97p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

23.98p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

59.94Hz: [Anamorphic 4K] 3328x2496 (4:3): 29.97p (Maximum output of sensor is 50fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

23.98p (Maximum output of sensor is 48fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

59.94Hz: [FHD] 1920x1080: 59.94p (Maximum output of sensor is 180fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

29.97p (Maximum output of sensor is 180fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

23.98p (Maximum output of sensor is 180fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

50.00Hz: [C4K] 4096x2160: 25.00p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

50.00Hz: [4K] 3840x2160: 25.00p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

50.00Hz: [Anamorphic 4K] 3328x2496 (4:3): 25.00p (Maximum output of sensor is 50fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

50.00Hz: [FHD] 1920x1080: 50.00p (Maximum output of sensor is 180fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

25.00p (Maximum output of sensor is 180fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

24.00Hz: [C4K] 4096x2160: 24.00p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

24.00Hz: [4K] 3840x2160: 24.00p (Maximum output of sensor is 60fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

24.00Hz: [Anamorphic 4K] 3328x2496 (4:3): 24.00p (Maximum output of sensor is 48fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

24.00Hz: [FHD] 1920x1080: 24.00p (Maximum output of sensor is 180fps), 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)

Streaming Protocol

RTMP / RTMPS

Streaming quality

NTSC (59.94Hz): [FHD] 1920x1080: 59.94p, 16Mbps / 8Mbps (H.264)

29.97p, 6Mbps / 3Mbps (H.264)

NTSC (59.94Hz): [HD] 1280x720: 59.94p, 6Mbps (H.264)

29.97p, 4Mbps (H.264)

PAL (50.00Hz): [FHD] 1920x1080: 50.00p, 16Mbps / 8Mbps (H.264)

25.00p, 6Mbps / 3Mbps (H.264)

PAL (50.00Hz): [HD] 1280x720: 50.00p, 6Mbps (H.264)

25.00p, 4Mbps (H.264)

Viewfinder Type

OLED Live View Finder

Pixels

Approx. 3.68 million dots

Field of view / Magnification

Approx. 100% / Approx. 1.52x / 0.76x (35mm camera equivalent) with 50 mm lens at infinity; -1.0 m^{-1} , when the aspect ratio is set to 4:3

Eye point / Diopter adjustment

Approx. 21 mm at infinity; -1.0 m^{-1} / -4.0 – $+3.0$ (dpt)

Eye sensor

Yes

Display speed

120fps / 60fps

Rear Monitor Type

TFT LCD monitor with static touch control

Monitor size

Free-angle, 3.0-inch (7.5cm), 3:2 aspect

Pixels

Approx. 1.84 million dots

Field of view

Approx. 100%

Focus Type

Contrast AF system

DFD technology

Yes

Focus mode

AFS (Single) / AFC (Continuous) / MF

AF mode

Auto Detection (Face, Eye, Body, Animal) / Tracking / 225-Area / Zone (Vertical/Horizontal) / Zone (Square) / Zone (Oval) / 1-Area+ / 1-Area / Pinpoint / Custom 1, 2, 3
(Full area touch is available) (Scalable AF frame size and flexible AF position)

AF detective range

EV -4 – 18 (F2.0, ISO100 equivalent, AFS)

AF custom setting

AF Sensitivity, AF Area Switching Sensitivity, Moving Object Prediction

AF assist light

Yes

AF lock

Set the Fn button in custom menu to AF lock

Post Focus / Focus Stacking

Yes / Yes

Focus Ring Control

Nonlinear / Linear

Others

Focus Peaking, 1-Area AF Moving Speed, AF-ON, AF-ON: Near Shift, AF-ON: Far Shift, Focus/Shutter Priority, Focus Switching for Vert/Hor, AF/AE Lock Hold, AF+MF, MF Assist, MF Guide, Focus Ring Lock, Show/Hide AF Mode, AF-Point Scope, Shutter AF, Half Press Release, Quick AF, Continuous AF (during motion picture recording), Eye Sensor AF, Loop Focus Frame, AFC Start Point (225-Area), Touch Shutter, Touch AF/AE Function, Touch Pad AF, Lens Focus Resume

Light metering system

1,728-zone multi-pattern sensing system

Light metering mode

Multiple / Center Weighted / Spot / Highlight Weighted

Metering range

EV0-18 (F2.0 lens, ISO100 equivalent)

Recording mode

Program AE / Aperture Priority AE / Shutter Priority AE / Manual Exposure / Creative Video / Custom 1, 2, 3, 4 / Intelligent Auto

ISO sensitivity

(Standard output sensitivity): Still image: Auto / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1/3 EV step)

Creative Video Mode: Auto / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 (Changeable to 1/3 EV step)

Exposure compensation

1/3 EV step +/-5EV (+/-3EV for motion picture)

AE lock

Set the Fn button in custom menu to AE lock

Image Stabilization System

Image sensor shift type (5-axis / 6.5-stop)

Dual I.S. (6.5-stop Dual I.S. 2 compatible)

White balance

AWB / AWBc / AWBw / Daylight / Cloudy / Shade / Incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting 1, 2, 3, 4

White balance adjustment

Blue/Amber bias, Magenta/Green bias

Color temperature setting

2500–10000K in 100K

Shutter Type

Focal-plane shutter

Shutter speed

Still image: Bulb (Max. 30 minutes), 1/8,000 – 60

Electronic front curtain shutter: Bulb (Max. 30 minutes), 1/2,000 – 60

Electronic shutter: Bulb (Max. 60 sec), 1/16,000 – 60

Motion picture: 1/16,000 – 1/25

Creative Video M mode / MF mode: 1/16,000 – 1/2

Self timer

10sec, 3 images / 2sec / 10sec / Custom Time

Remote control

Remote control by DMW-RS2 (sold separately)

Silent mode / Shutter type

Yes / Yes (Auto / Mechanical / Electronic front curtain / Electronic / Electronic+NR)

AE bracket

3, 5, 7 images in 1/3, 2/3 or 1 EV step, max. +/-3 EV, single/burst

Aperture bracket

3, 5 or all positions

Focus bracket

1 to 999 images, focus steps can be set in 10 levels

White balance bracket

3 images in blue/amber axis or in magenta/green axis, color temperature setting

Burst speed

Mechanical shutter / Electronic front curtain shutter: AFS/MF: H: 12 frames/sec, M: 7 frames/sec (with Live View), L: 2 frames/sec (with Live View)

AFC: H: 9 frames/sec (with Live View), M: 7 frames/sec (with Live View), L: 2 frames/sec (with Live View)

Electronic shutter: AFS/MF: H: 12 frames/sec, M: 7 frames/sec (with Live View), L: 2 frames/sec (with Live View)

AFC: H: 7 frames/sec (with Live View), M: 7 frames/sec (with Live View), L: 2 frames/sec (with Live View)

Number of recordable images

RAW / RAW+JPEG: More than 108 images

JPEG: More than 999 images (When using a card with SD Speed Class with "UHS-II UHS Speed Class 3 (U3)" inserted into card slot 1.)

6K Photo/4K Photo Burst speed

6K PHOTO: 30 frames/sec

4K PHOTO: 60 frames/sec, 30 frames/sec

Exif information

Yes (Each JPEG image cropped out of the 6K/4K burst file complies with EXIF.)

Time Lapse Shot

Yes

Stop Motion Animation

Yes

Flash type

TTL External Flash (sold separately)

Flash mode

Auto/ Auto/Red-eye Reduction/ Forced On / Forced On/Red-eye Reduction / Slow Sync. /
Slow Sync./Red-eye Reduction / Forced Off

Flash synchronization

1st Curtain Sync, 2nd Curtain Sync.

Flash output adjustment

1/3EV step +/-3EV

Synchronization speed

1/250sec.

Wireless control

Yes (When using DMW-FL200L / FL360L / FL580L (sold separately)), Wireless Channel:
1ch/2ch/3ch/4ch

Flash sync socket

Yes

Extra Tele Conversion

2.0x (EX S), 1.4x (EX M)

Photo Style

Standard / Vivid / Natural / L. Classic Neo / Flat / Landscape / Portrait / Monochrome / L.
Monochrome / L. Monochrome D / L. Monochrome S / Cinelike D2 / Cinelike V2 / Like709 /
V-Log L / Hybrid Log Gamma / My Photo Style 1-10

Picture adjustment

Contrast / Highlight / Shadow / Saturation / Color Tone / Hue / Filter Effect / Grain Effect /
Color Noise / Sharpness / Noise Reduction / ISO / WB

Filter

Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome / Dynamic
Monochrome / Rough Monochrome / Silky Monochrome / Impressive Art / High Dynamic / Cross
Process / Toy Effect / Toy Pop / Bleach Bypass / Miniature Effect / Soft Focus / Fantasy / Star
Filter / One Point Color / Sunshine

Master pedestal level

31 steps

Luminance level

8-bit: 0-255 / 16-235 / 16-255

10-bit: 0-1023 / 64-940 / 64-1023

Wave form monitor / Vectorscope

Selectable

LUT view assist

Monitor / HDMI

HLG view assist

Monitor (MODE1 / MODE2 / OFF) / HDMI (AUTO / MODE1 / MODE2 / OFF)

Anamorphic desqueeze display

2.0x / 1.8x / 1.5x / 1.33x / 1.30x / OFF

Synchro scan

Yes

Time code

Count Up: Rec Run/Free Run selectable, Time Code Mode: Drop frame/Non-drop frame selectable (When NTSC (59.94Hz) is selected.)

SS/Gain operation

Shutter Duration/ISO / Angle/ISO / Shutter Duration/dB

Color bars / 1kHz test tone

Yes (SMPTE / EBU / ARIB) / Yes

Knee control

Yes (in Like709 mode)

Other functions

Red REC Frame Indicator, Streaming Blue Frame Indicator

Vertical Position Information

Still image / Motion picture (ON/OFF)

Level Gauge

Yes

REC

Exposure Comp. / Sensitivity / White Balance / Photo Style / Metering Mode / Aspect Ratio / Picture Quality / Picture Size / 1 Shot Spot Metering / Long Exposure NR / Min. Shutter Speed / 1 Shot RAW+JPG / i.Dynamic Range / Filter Effect / One Push AE / Touch AE / Exposure Mode / Synchro Scan / AF Mode / AF Custom Setting(Photo) / AF Custom Setting(Video) / Focus Peaking / Focus Peaking Sensitivity / 1-Area AF Moving Speed / Focus Ring Lock / Sound Rec Level Disp. / Mute Sound Input / AE LOCK / AF LOCK / AF/AE LOCK / AF-ON / AF-ON: Near Shift / AF-ON: Far Shift / AF-Point Scope / Focus Area Set / Flash Mode / Flash Adjust. / Wireless Flash Setup / Drive Mode/1 Shot "6K/4K PHOTO" / Bracketing / Silent Mode / Image Stabilizer / Shutter Type / Ex. Tele Conv. / Live View Composite / Motion Pic. Rec File Format / Motion Pic. Rec Quality / Motion Pic. Rec Quality (My List) / Variable Frame Rate / Time Code Display / Sound Rec Level Adj. / Sound Rec Level Limiter / XLR Mic Adapter Setting / Special Mic. Directivity Adjust / Image Stabilizer / E-Stabilization (Video) / Boost I.S. (Video) / Image Area of Video / Focus Transition / Live Cropping / Q.MENU / Rec/Playback Switch / Video Record / LVF/Monitor Switch / Operation Lock / Dial Operation Switch / Preview / Preview Aperture Effect / Constant Preview / Level Gauge / Histogram / Luminance Spot Meter / Frame Marker / Photo Grid Line / Live View Boost / Monochrome Live View / Night Mode /

LVF/Monitor Disp. Set / Video-Priority Display / Zebra Pattern / LUT View Assist (Monitor) / LUT View Assist (HDMI) / LUT Select / HLG View Assist(Monitor) / HLG View Assist (HDMI) / Sheer Overlay / I.S. Status Scope / WFM/Vector Scope / Anamorphic Desqueeze Display / Color Bars / Focus Ring Control/ Zoom Control / Step Zoom / Zoom Speed / Destination Card Slot / Off (Disable Press and Hold) / Restore to Default

Play

Magnify from AF Point / LUT View Assist (Monitor) / HLG View Assist (Monitor) / Anamorphic Desqueeze Display / RAW Processing / 6K/4K PHOTO Bulk Saving / Delete Single / Protect / Rating 1, 2, 3, 4, 5 / Copy / Rec/Playback Switch / LVF/Monitor Switch / Video Record / Night Mode / Card Slot Change/ Wi-Fi / Send Image (Smartphone) / LUT View Assist (HDMI) / HLG View Assist (HDMI) / 6K/4K Photo Play / No Setting / Off (Disable Press and Hold) / Restore to Default

PRINT

PictBridge compatible

USB

SuperSpeed USB 3.1 Gen1 Type-C

HDMI

HDMI: HDMI TypeA

Audio: Stereo

Monitor-through: 4:2:2 10bit (When [Rec Quality] is set to [4:2:2 10bit] or [4:2:0 10bit].)

4:2:2 8bit (When [Rec Quality] is set to [4:2:0 8bit].)

Down Convert: Auto / 4K / 1080p / 1080i / OFF

Playback: 59.94Hz: Auto / C4K/60p / C4K/30p/4K/60p/4K/30p/1080p/1080i/720p/480p

50.00Hz: Auto / C4K/50p / C4K/25p / 4K/50p / 4K/25p / 1080p / 1080i / 720p / 576p

24.00Hz: Auto/C4K/24p/4K/24p/1080p

Remote input

Diameter: 2.5mm

Microphone

Stereo, Wind Noise Canceller: OFF / Low / Standard / High

External mic/external audio device input

Diameter: 3.5mm for external microphone / external audio device

MIC (Plug-in Power) / MIC / LINE is selectable.

Stereo/Lens Auto/Shotgun/Super Shotgun/Manual is selectable when attaching DMW-MS2 (sold separately).

XLR microphone

Yes with DMW-XLR1 (sold separately)

Speaker

Monaural

Headphone output

3.5mm

SD card slot

Slot 1, Slot 2

Recording media

SD Memory Card / SDHC Memory Card / SDXC Memory Card

Wi-Fi

2.4GHz (STA/AP) (IEEE802.11b/g/n)

5GHz (STA) (IEEE 802.11a/n/ac)

Bluetooth

Bluetooth v4.2 (Bluetooth Low Energy (BLE))

Dust And Splash Resistant

Yes. (Dust and Splash Resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with dust and water.)

Battery

Li-ion Battery Pack (7.2V, 2200mAh, 16Wh) (bundled), USB power supply, USB power charging, USB power delivery

Battery grip

DMW-BGGH5 (sold separately)

Operating temperature

-10 Degree C to 40 Degree C

Operating humidity

10 % RH to 80 % RH

Dimensions (W x H x D)

Approx. 138.5 x 98.1 x 87.4mm (excluding protrusions)

Weight

Approx. 727g (SD Memory Card x 1, Battery, Body)

Approx. 647g (Body only)