Specifications

| General | |
|-----------------------------|---|
| Power: | DC 7.2 V (when the battery is used) DC 12 V (when the AC adaptor is used) |
| Power Consumption: | 21.7 W |
| Operating Temperature: | 0 °C to 40 °C (32 °F to 104 °F) |
| Operating Humidity: | 10 % to 80 % (no condensation) |
| Weight: Approx. | 2.7 kg (5.95 lb) |
| | (body only, excluding lens hood, battery, and accessories) |
| Dimensions: | 181 mm(H) x 216 mm(W) x 374 mm (D) (excluding protrusion and eye cup) |
| | (7-1/8 inches x 8-1/2 inches x 14-23/32 inches) |
| Camera Unit | |
| Pickup Device: | 4/3-type MOS |
| Effective Pixcels: | 15.49 megapixcel (FHD), 8.71 megapixcel (UHD/59.94p), |
| | 12.89 megapixcel (UHD/29.97p), 13.35 megapixcel (4K/24p) |
| Lens: | Optical image stabilizer lens, |
| | motorized/manual mode switching, 13x zoom |
| | F2.8 to F4.5 (f=12.8 mm to 167 mm) 35 mm equivalent: 28.0 mm to 365.3 mm (FHD) |
| Filter Diameter: | 72 mm |
| ND Filter: | OFF, 1/4, 1/16, 1/64 |
| Shortest Shooting Distance | |
| oner tool one our g Diotain | Approx. 1.0 m from the front lens |
| Gain Setting: | L/M/H selector switch 0 dB to 24 dB (in 1 dB steps) |
| | (When assigning [S.GAIN] to the USER button: |
| | Switching between 30 dB and 36 dB) |
| Color Temperature Setting | : ATW, ATW LOCK, Ach, Bch, |
| Shutter Speed: | preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K) When [SYSTEM MODE] = 59.94 Hz |
| Slow Shutter Speed: | 60i/60p mode: 1/60 sec., 1/100 sec., 1/120 sec., 1/180 sec., 1/250 sec., 1/350 sec., 1/500 sec., 1/500 sec., 1/500 sec., 1/750 sec., 1/1000 sec., 1/2000 sec., 1/3000 sec., 1/350 sec., 1/500 sec., 1/350 sec., 1/350 sec., 1/500 sec., 1/500 sec., 1/350 sec., 1/350 sec., 1/500 se |
| cion onutro opeed. | **Mierips 13 Lam MoOL_] = 35-31.2 sec., 1/8 sec., 1/15 sec., 1/30 sec. • 30p mode: 1/2 sec., 1/4 sec., 1/8 sec., 1/15 sec. • 24p mode: 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec. When [SYSTEM MODE] = 50 Hz • 50/50p mode: 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec., 1/25 sec. • 25p mode: 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec. |
| Synchro Scan Shutter: | When [SYSTEM MODE] = 59.94 Hz • 60l/60p mode: 1/60.0 sec. to 1/249.8 sec. • 30p mode: 1/30.0 sec. to 1/249.8 sec. • 24p mode: 1/24.0 sec. to 1/249.6 sec. When [SYSTEM MODE] = 50 Hz • 50l/50p mode: 1/50.0 sec. to 1/250.0 sec. • 25p mode: 1/25.0 sec. to 1/250.0 sec. |

| Shutter Open Angle: | 5.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps, angle display) |
|--------------------------------|--|
| VFR Recording Frame Rate | e: When [SYSTEM MODE] = 59.94 Hz |
| Transcorumg ramo nac | • 60p mode: 2, 15, 30, 40, 55, 58, 60, 62, 65, 75, 90, and 120 |
| | (frames per second) |
| | • 30p mode: 2, 15, 26, 28, 30, 32, 34, 45, 60, 75, 90, and 120 |
| | (frames per second) |
| | • 24p mode: 2, 12, 18, 20, 22, 24, 26, 28, 30, 36, 48, 60, 72, 84, |
| | 96, and 120 (frames per second) |
| | When [SYSTEM MODE] = 50 Hz • 50p mode: 2, 12, 25, 33, 45, 48, 50, 52, 55, 62, 75, 100, |
| | and 120 (frames per second) |
| | • 25p mode: 2, 12, 21, 23, 25, 27, 30, 37, 50, 62, 75, 100, |
| | and 120 (frames per second) |
| Minimum Subject Illuminat | |
| | 0.2 lx (F2.8, gain 18 dB, [1/2S.], Manual slow shutter, |
| D: 11 17 | [HIGH SENS.] mode) |
| Digital Zoom: | x2/x5/x10, iA zoom (1.0x to 1.54x, Variable zoom) |
| Lens Hood: | Hood with lens cover |
| Memory Card Record | er |
| Recording Media: | SDHC memory card (4 GB to 32 GB), |
| | SDXC memory card (48 GB to 128 GB), UHS-I supported |
| | *An SD card with a capacity of UHS Speed Class 3 (U3) is required to shoot videos with a bit rate of 100 Mbps or higher. |
| | An SDXC card with a capacity of 64 GB or more and UHS Speed |
| | Class 3 (U3) is required to shoot UHD 2160/59.94p/50.00p videos |
| | with a bit rate of 150 Mbps or higher. |
| Recording Slot: | Slot x 2 |
| System Format: | 59.94 Hz / 50 Hz |
| Video Recording Format: | Recording Format: MOV, MP4, AVCHD Recording Mode: *Please see the Video record mode table. |
| Still Picture Recording Format | :JPEG (DCF/Exif2.2) supported |
| | 8.8M: 4096 x 2160 (17:9), 8.3M: 3840 x 2160 (16:9), |
| | 2.1M: 1920 x 1080 (16:9), 0.2M: 640 x 360 (16:9), |
| B: :: 1151 | 0.3M: 640 x 480 (4:3) |
| Digital Video | |
| External Output Video Signal: | 8 bit 4:2:2/10 bit 4:2:2 (switchable menu) |
| | *HDMI output of UHD/59.94p/50.00p becomes 8 bit 4:2:0. Also, when 10 bit 4:2:2 is selected, recording is not possible with |
| | the main unit. |
| Recording Video Signal: | 8 bit 4:2:0 |
| | MPEG-4 AVC/H.264 High Profile (MOV/MP4/AVCHD) |
| | Will Ed 47WO/Ti.204 Flight Folio (MOV/MI 4//WOFID) |
| Digital Audio | 40.111 (40.1% 0.011 |
| Recording Audio Signal: | 48 kHz/16 bit, 2 CH |
| | LPCM (MOV/MP4) Dolby Digital (AVCHD) |
| Headroom: | 12 dB |
| Dual Codec | |
| File Format: | MOV, MP4 |
| | MPEG-4 AVC/H.264 High Profile |
| Audio Compression Format | LPCM |
| Recording Format: | When [Dual Codec] = FHD 50 Mbps |
| - | [Main Recording Side] |
| | Recording mode = MOV/MP4 |
| | •UHD/29.97p/25.00p/23.98p 100 Mbps |
| | [Sub Recording Side] Recording mode = |
| | Same as the recording mode of the Main Recording Side |
| | |

| Recording Format: | When [Dual Codec] = FHD 8Mbps [Main Recording Side] Recording mode = MOV/MP4 •UHD/29.976/25.00p/23.98p 100 Mbps |
|--|---|
| | •FHD/59.94p/50.00p/29.97p/25.00p/23.98p 200 Mbps •FHD/59.94p/50.00p 100 Mbps [Sub Recording Side] |
| | Recording mode = MOV •FHD/59.94p/50.00p/29.97p/25.00p/23.98p 8 Mbps |
| Video Input/Output | |
| SDI OUT: | BNC x1, 0.8 V [p-p], 75 Ω, 3 G/1.5 G HD-SDI, SD-SDI supported Output format: 1080/59.49t LEVEL-A/50.00p LEVEL-A, 1080/29.97PsF/25.00PsF/24.00PsF/23.98PsF, 1080/59.94/50.00j, 720/59.949/50.00p, 480/59.94i, 576/50.00i |
| VIDEO OUT: | BNC x 1, Composite 1.0 V [p-p], 75 Ω |
| HDMI OUT: | HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link) Output format: 2160/59.94p/50.00p/29.97p/25.00p/24.00p/23.98p, 1080/59.94p/50.00p/29.97p/25.00p/24.00p/23.98p/59.94i/50.00i, 720/59.94p/50.00p, 480/59.94p, 576/50.00p |
| Audio Input | |
| Built-in Microphone: | Supports stereo microphone |
| XLR IN: | XLR (3 pin) x 2 (INPUT1, INPUT2) Input high impedance, LINE/MIC/MIC+48 V (switchable SW) LINE: 4 dBu/0 dBu (switchable menu) MIC: -40 dBu/-50 dBu/-60 dBu (menu) |
| Audio Output | |
| SDI OUT: | 2 CH (LPCM) switchable gain: 0 dB/-6 dB/-12 dB |
| HDMI OUT: | 2 CH (LPCM) |
| Audio OUT: | 3.5 mm diameter stereo mini jack x 1, Output level: 600 Ω, 316 mV |
| Headphone: | 3.5 mm diameter stereo mini jack x 1 |
| Speaker: | 20 mm diameter, round x 1 |
| Other Input/Output | |
| CAM REMOTE: | 2.5 mm diameter super mini jack x1 (ZOOM, S/S) 3.5 mm diameter mini jack x1 (FOCUS, IRIS) |
| TC PRESET IN/OUT: | BNC x 1, Used as the input and output terminals Input: 1.0 V to 4.0 V [p-p], 10 k Ω |
| | Output: 2.0 V ±0.5 V [p-p], low impedance |
| USB 3.0 HOST: | Standard-A connector, 9 pin External media connected function*, Bus power supply *A USB HDD of 32 GB or less, or exceeding 2TB, cannot be used. |
| USB 3.0 DEVICE: | Micro-B connector, 10 pin, Mass storage function (read only) |
| DC IN 12 V: | DC 12 V (11.4 V to 12.6 V), EIAJ type 4 |
| Monitor/Viewfinder | |
| LCD Monitor: | 4.3 type HD color monitor (Approx. 2760000 dots) |
| Viewfinder: | 0.39 type OLED (organic EL display) (Approx. 2360000 dots, video display area: Approx. 1770000 dots) |
| Included Accessori | es |
| Battery (VW-VBD58), SI Screw for microphone I | houlder strap, Battery charger, Microphone holder, AC adaptor, nolder (12 mm), Power code x 2, Eye cup, Lens hood, |
| INPUT terminal cap, CE | D-ROM (Operating Instructions) |

Weight and dimensions are approximate. Specifications are subject to change without