Specifications

General

Power:	DC 7.2 V (when the battery is used) DC 12 V (when the AC adaptor is used)
Power consumption:	19.5 W (when the LCD monitor is used)
Operating Temperature:	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity:	10 % to 80 % (no condensation)
Weight:	Approx. 2.2 kg (4.9 lbs.) (body only, excluding lens hood, battery, and accessories) Approx. 2.6 kg (5.7 lbs.) (including lens hood, supplied battery, and microphone holder)
Dimensions:	176 mm(H) x 171 mm(W) x 329 mm (D) (excluding protrusion) (6-15/16 inches × 6-23/32 inches × 12-15/16 inches)

Camera Unit

Pickup Device:	1/3-type 2.2 million pixels, MOS solid state image sensor × 3
Lens:	Optical image stabilizer lens, optical 22x motorized zoom F1.6 to F3.2 (f=3.9 mm to 86 mm) 35 mm conversion: 28 mm to 616 mm (16:9)
Filter Diameter:	72 mm
Optical System:	Prism system
ND Filter:	OFF, 1/4, 1/16, 1/64
Shortest Shooting Distance: (M.O.D.)	1.1 m from the front lens Approx. 0.06 m from front lens (When Macro=On, at wide-end)
Gain Setting:	L/M/H selector switch−3 dB to 18 dB (in 1 dB steps) (Negative value of gain is only in [HIGH SENS.] mode.) (When assigning [S.GAIN] to the USER button: Switching between 24 dB, 30 dB, and 36 dB)
Color Temperature Setting:	ATW, ATW LOCK, Ach, Bch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)
Shutter Speed:	When [SYSTEM MODE] = 59.94 Hz •60i/60p mode: 1/60 (shutter off) sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. •30p mode: 1/30 sec., 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. •24p mode: 1/24 sec., 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. When [SYSTEM MODE] = 50 Hz •50i/50p mode: 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. •25p mode: 1/25 sec., 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.
Slow Shutter Speed:	Setting is possible when [VFR]=[OFF] When [SYSTEM MODE] = 59.94 Hz •60i/60p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec. •30p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6sec., 1/15 sec. •24p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec. When [SYSTEM MODE] = 50 Hz •50i/50p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec., 1/25 sec. •25p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.
Synchro Scan Shutter:	When [SYSTEM MODE] = 59.94 Hz and [SYNC SCAN TYPE] = [sec] •60i/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 1/249.8 sec. When [SYSTEM MODE] = 50 Hz and [SYNC SCAN TYPE] = [sec] •50i/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:	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps, angle display)
VFR Recording Frame Rate:	•1080/59.94p: 1, 2, 4, 6, 9, 12, 15, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30, 32, 34, 36, 40, 44, 48, 54, and 60 (frames per second) •1080/50p: 1, 2, 4, 6, 9, 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, and 50 (frames per second)
Sensitivity:	[HIGH SENS.] mode F11 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F12 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i)
Minimum Subject Illumination:	0.02 lx (F1.6, gain 18 dB, [1S.EXP.], [HIGH SENS.] mode)
Digital Zoom:	x2/x5/x10
Lens Hood:	Hood with lens cover

Memory card recorder

Recording Media:	microP2 card, P2 card
Recording Slot:	microP2 card slot ×2, P2 card slot ×1
System Format:	1080/59.94p, 1080/59.94i, 1080/23.98PsF, 720/59.94p, 480/59.94i, 1080/50p, 1080/50i, 720/50p, 576/50i
Recording Format:	AVC-Intra200/AVC-Intra100/AVC-Intra50/ AVC-LongG50/AVC-LongG25/AVC-LongG12 DVCPRO HD/DVCPRO50/DVCPRO/DV formats
Recording Video Signal:	1080/59.94p, 1080/59.94i, 1080/29.97pN, 1080/23.98pN, 720/59.94p, 720/29.97pN, 720/23.98pN, 480/59.94i, 480/29.97p 1080/50p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i, 576/25p

Recording/Playback Time*[1]:	16 GB×1	32 GB×1	64 GB×1
AVC-Intra200:	Approx. 8 min.	Approx. 16 min.	Approx. 32 min.
AVC-Intra100:	Approx. 16 min.	Approx. 32 min.	Approx. 64 min.
AVC-Intra50:	Approx. 32 min.	Approx. 64 min.	Approx. 128 min.
AVC-LongG50:	Approx. 32 min.	Approx. 64 min.	Approx. 128 min.
AVC-LongG25:	Approx. 64 min.	Approx. 128 min.	Approx. 256 min.
AVC-LongG12:	Approx. 120 min.	Approx. 240 min.	Approx. 480 min.
DVCPRO HD:	Approx. 16 min.	Approx. 32 min.	Approx. 64 min.
DVCPRO 50:	Approx. 32 min.	Approx. 64 min.	Approx. 128 min.
DVCPRO/DV:	Approx. 64 min.	Approx. 128 min.	Approx. 256 min.

Digital video

Sampling Frequency:	AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/ AVC-LongG25/AVC-LongG12/DVCPRO HD Y: 74.1758 MHz, P_B/P_R: 37.0879 MHz (59.94 Hz) Y: 74.2500 MHz, P_B/P_R: 37.1250 MHz (50 Hz) DVCPRO50 Y: 13.5 MHz, P_B/P_R: 6.75 MHz DVCPRO Y: 13.5 MHz, P_B/P_R: 3.375 MHz
Quantizing:	AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/ AVC-LongG25: 10 bits AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bits
Video Compression Format:	AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile AVC-LongG50/AVC-LongG25/AVC-LongG12: MPEG-4 AVC/H.264 DVCPRO HD: DV-Based Compression (SMPTE 370M) DVCPRO50/DVCPRO: DV-Based Compression (SMPTE 314M) DV: DV Compression (IEC 61834-2)

Digital audio

Recording Audio Signal:	AVC-Intra200/AVC-LongG50/AVC-LongG25: 48 kHz/24 bits, 4 CH AVC-Intra100/AVC-Intra50: 48 kHz/16 bits, 4 CH and 48 kHz/24 bits, 4 CH switch AVC-LongG12/DVCPRO50: 48 kHz/16 bits, 4 CH DVCPRO/DV: 48 kHz/16 bits, 4 CH
Headroom:	12 dB/18 dB/20 dB switchable menu

AVC proxy

File Format:	MOV
Video Compression Format:	H.264/AVC Baseline Profile, H.264/AVC High Profile
Audio Compression Format:	AAC-LC, Linear PCM
Approximate Recording Time (1 GB)*[2]:	AVC-G6 2CH MOV: Approx. 13 min. SHQ 2CH MOV: Approx. 25 min. HQ 2CH MOV: Approx. 78 min. LOW 2CH MOV: Approx. 135 min.

Video input/output

SDI OUT:	BNC × 1, HD (3G/1.5G), SD: 0.8 V [p-p], 75 Ω
VIDEO OUT:	BNC × 1, Also used as the GENLOCK IN, IN/OUT switch selection Composite: 1.0 V [p-p], 75 Ω
HDMI OUT:	HDMI × 1 (HDMI type A terminal, not compatible with VIERA Link)

Audio input

Built-in Microphone:	Supports stereo microphone
AUDIO INPUT 1/AUDIO INPUT 2:	XLR × 2, 3 pin.Input high impedance, LINE/MIC switch selection LINE: 4 dBu/0 dBu (selectable menu) MIC: −40 dBu/−50 dBu/−60 dBu (selectable menu), +48 V on/off (switch selection)

Audio output

AUDIO OUT:	3.5 mm diameter stereo mini jack × 1, Output level: 600 Ω, 316 mV
Headphones:	3.5 mm diameter stereo mini jack × 1 100 Ω, −16 dBV (32 Ω load, at maximum output level)
Speaker:	20 mm diameter, round × 1

Other input/output

CAM REMOTE:	2.5 mm diameter super mini jack ×1 ZOOM S/S 3.5 mm diameter mini jack ×1 FOCUS IRIS
GENLOCK IN:	BNC×1, also used as the VIDEO OUT, IN/OUT switch selection, 1.0 V [p-p], 75 Ω
TC IN/OUT:	BNC×1 Used as the input and output terminals, IN/OUT switch selection Input: 1.0 V − 4.0 V [p-p], 10 kΩ Output: 2.0 V±0.5 V [p-p], low impedance
LAN:	100BASE-TX/10BASE-T
USB2.0 DEVICE (device):	Type miniB connector, 4 pin
USB3.0 HOST (host):	Type A connector, 9 pin
USB2.0 HOST(sub-host):	Type A connector, 4 pin (exclusively for wireless module AJ-WM30)
DC IN 12V:	DC 12 V (DC 10.5 V - 13.5 V), EIAJ type 4

Monitor

LCD Monitor:	3.5 type QHD color monitor (Approx. 1560000 dots)
Viewfinder:	0.5 type OLED (organic EL display) (Approx. 2360000 dots, video display area: Approx. 1770000 dots)

Included Accessories

Battery (VW-VBD58), Shoulder strap, Battery charger, AC adaptor, Microphone holder, Screw for microphone holder (12 mm), Power code x 2, Eye cup, Lens hood, Grip belt

*1: Figures are for continuous recording as one clip. Depending on the number of clips, the overall recording time may be shorter than the above.
*2: These are reference values for continuous recording using the Panasonic products. The recording time may differ depending on the scene or the number of clips.

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