

# Specifications

## General

Power:	DC 12 V (11.0 V to 17.0 V)
Power Consumption:	19 W (body only, 1080/60i, AVC-Intra 100 standard recording status, LCD ON) 58W (with all optional accessories connected and maximum power supplied from each output terminal)
Operating Temperature:	0°C to 40°C (32°F to 104°F)
Operating Humidity:	10% to 85% (relative humidity)
Storage Temperature:	-20°C to 60°C (-4°F to 140°F)
Weight:	Approx. 2.7 kg (6.0 lb) (body only, excluding the battery and accessories)
Dimensions:	144 mm (W) × 267 mm (H) × 348 mm (D) (5-21/32 inches × 10-1/2 inches × 13-11/16 inches) Body only, excluding protrusion

## Camera Unit

Pickup Device:	1/3 type 2.2 million pixels, MOS × 3
Lens Mount:	1/3 type bayonet
ND Filter:	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
Gain Setting:	NORMAL mode: 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB HIGH SENS mode: -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB
Super Gain (S.GAIN):	Selectable from 24 dB, 30 dB, 36 dB
Shutter Speed:	60i/60p mode: 1/60 (OFF) sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. 30p mode: 1/30 (OFF) sec., 1/50 sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec. 24p mode: 1/24 (OFF) sec., 1/50 sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec. 50i/50p mode: 1/50 (OFF) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. 25p mode: 1/25 (OFF) sec., 1/50 sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec.
Synchro Scan Shutter:	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. 50i/50p mode: 1/50.0 sec. to 1/250.0 sec. 25p mode: 1/25.0 sec. to 1/250.0 sec.
Slow Shutter Speed:	60i/60p mode: 1/15 sec., 1/30 sec. 30p mode: 1/15 sec. 24p mode: 1/12 sec. 50i/50p mode: 1/12.5, 1/12.5 sec. 25p mode: 1/12.5 sec.
Shutter Open Angle:	3.0 deg to 360.0 deg (in 0.5 deg steps, angle display)
Sensitivity:	NORMAL mode: F8 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i) F9 (2000 lx, 3200 K, 89.9% reflection, 1080/50i) HIGH SENS mode: F11 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i) F12 (2000 lx, 3200 K, 89.9% reflection, 1080/50i)
Horizontal Resolution:	1000 TV or higher (center)

## Memory Card Recorder

Recording Media:	P2 card x1, microP2 card x2
System Format:	1080/59.94p, 1080/59.94i, 1080/23.98pF, 720/59.94p, 480/59.94i, 1080/50p, 1080/50i, 720/50p, 576/50i
Recording Format:	AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/ AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV formats switchable
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*	AVC-Intra 100/DVCPRO HD 30 GB x 1: Approx. 30 min., 32 GB x 1: Approx. 32 min. 60 GB x 1: Approx. 60 min., 64 GB x 1: Approx. 64 min. AVC-Intra 50/AVC-LongG 50/DVCPRO50 30 GB x 1: Approx. 60 min., 32 GB x 1: Approx. 64 min. 60 GB x 1: Approx. 120 min., 64 GB x 1: Approx. 128 min. AVC-LongG 25/DVCPRO/DV 30 GB x 1: Approx. 120 min., 32 GB x 1: Approx. 128 min. 60 GB x 1: Approx. 240 min., 64 GB x 1: Approx. 256 min. AVC-LongG 12 30 GB x 1: Approx. 225 min., 32 GB x 1: Approx. 240 min. 60 GB x 1: Approx. 450 min., 64 GB x 1: Approx. 480 min.

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.

## Digital Video

Sampling Frequency:	AVC-Intra100/AVC-LongG25/AVC-LongG12: Y: 148.3516 MHz, Pb/Pr: 74.1758 MHz (1080/59.94p) Y: 148.5000 MHz, Pb/Pr: 74.2500 MHz (1080/50p) AVC-Intra100/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD: Y: 74.1758 MHz, Pb/Pr: 37.0879 MHz (59.94 Hz) Y: 74.2500 MHz, Pb/Pr: 37.1250 MHz (50 Hz) DVCPRO50: Y: 13.5 MHz, Pb/Pr: 6.75 MHz DVCPRO: Y: 13.5 MHz, Pb/Pr: 3.375 MHz
Quantizing:	AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25: 10 bit AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bit
Video Compression Format:	AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile AVC-LongG50/AVC-LongG25/AVC-LongG12: MPEG-4 AVC/H.264 DVCPRO HD/DVCPRO50/DVCPRO: DV-Based Compression DV: DV Compression

## Digital Audio

Recording Audio Signal:	AVC-Intra100/AVC-Intra50: 48 kHz/16 bit, 4 CH and 48 kHz/24 bit, 4 CH switch AVC-LongG50/AVC-LongG25: 48 kHz/24 bit, 4 CH AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 48 kHz/16 bit, 4 CH
Headroom:	18 dB/20 dB (switchable with menu)

## Proxy

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

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.

## Video Input/Output

SDI OUT1:	BNC×1 HD SDI (3G/1.5G), SD SDI: 0.8 V [p-p], 75 Ω
SDI OUT2/IN:	BNC ×1, SDI OUT2, SDI IN (menu selection) (Can be switched to HD SDI/SD SDI on SmartUI.) HD SDI (1.5G), SD SDI: 0.8 V [p-p], 75 Ω
GL IN/VIDEO OUT:	BNC ×1, GENLOCK IN, VIDEO OUT (menu selection) GENLOCK IN: 1.0 V [p-p], 75 Ω VIDEO OUT: Composite, 1.0 V [p-p], 75 Ω
HDMI OUT:	HDMI × 1 (HDMI type A terminal, not compatible with VIERA Link)

## Audio Input/Output

Audio IN CH1/3, AUDIO IN CH2/4:	XLR (3 pin) × 2, LINE/MIC (switch selection) LINE: 0 dBu MIC: -50 dBu/-60 dBu (menu selection), +48 V ON/OFF (switch selection)
MIC IN:	XLR (3 pin) × 1, +48 V supported (selectable menu) -40 dBu/-50 dBu/-60 dBu (selectable menu)
Wireless IN:	25 pin, D-SUB, -40 dBu, 2 CH supported
Audio OUT:	Pin jack × 2 (CH1, CH2), Output level: 600 Ω, 316 mV
Phones OUT:	3.5 mm diameter stereo mini jack × 1
Speaker:	20 mm diameter, round × 1

## Other Input/Output

TC IN/OUT:	BNC×1, IN/OUT (menu selection) IN: 0.5 V [p-p] to 8 V [p-p], 10 kΩ OUT: 2.0 ±0.5 V [p-p], Low impedance
LAN:	100BASE-TX/10BASE-T
USB2.0 (device):	Type B connector, 4 pin
USB2.0 (host):	Type A connector, 4 pin
USB2.0 (sub host):	Type A connector, 4 pin (exclusively for wireless module AJ-WM30)
DC IN:	XLR×1, 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
DC OUT:	4 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 1.5 A
REMOTE:	10 pin
Lens:	12 pin
EVF:	20 pin

## Included Accessories

Shoulder strap, Mount cap

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