

General

Power:	DC 12 V (11.0 V to 17.0 V)
Power Consumption:	29 W (body only, 1080/59.94i, AVC-Intra 100 standard recording status, LCD ON) 70 W (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. 3.4 kg (7.5 lbs.) (body only, excluding the battery and accessories)
Dimensions:	147 mm (W) x 267 mm (H) x 342 mm (D) (5-25/32 inches x 10-1/2 inches x 13-15/32 inches) Body only, excluding protrusion

Camera Unit

Pickup Device:	2/3-type 2.2 million pixels, MOS x 3
Lens Mount:	2/3-type bayonet
CC Filter:	A: 3200 K, B: 4300 K, C: 5600 K, D: 6300 K
ND Filter:	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
Gain Setting:	NORMAL mode: -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dB HIGH SENS mode: -6 dB, -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dB
Digital Super Gain: (DS.GAIN)	Selectable from 6 dB, 10 dB, 12 dB, 15 dB, 20 dB, 24 dB, 28dB, 34 dB
Super Gain (S.GAIN):	Selectable from 30 dB, 36 dB, 42 dB
Shutter Speed:	59.94 Hz 60i/60p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. HALF 30p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 24p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg 50 Hz 50i/50p mode: 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec. HALF 25p mode: 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg
Synchro Scan Shutter:	1/60.1 sec. to 1/7200 sec. (60i/60p mode) 1/30.0 sec. to 1/3600 sec. (30p mode) 1/24.0 sec. to 1/2880 sec. (24p mode) 1/50.1 sec. to 1/6000 sec. (50i/50p mode) 1/25.0 sec. to 1/3000 sec. (25p mode)
Shutter Open Angle:	Configurable between 3 deg and 359.5 deg (in 0.5 deg steps)
Sensitivity:	NORMAL mode: F9 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F10 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i) HIGH SENS mode: F12 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F13 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i)
Minimum Subject Illumination:	Approx. 0.004 lx (F1.4, +42 dB (S.GAIN), +34 dB (DS.GAIN))
Image S/N:	62 dB (standard)
Horizontal Resolution:	1000 TV or higher (center)

Memory Card Recorder

Recording Media:	P2 card, microP2 card
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 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, 1080/50p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i
Recording/Playback Time*:	16GB x 1 32GB x 1 64GB x 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.

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-Intra200/AVC-Intra100/AVC-Intra50/ 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 DVCPROY: Y: 13.5 MHz, Pb/Pr: 3.375 MHz
Quantizing:	AVC-Intra200/AVC-Intra100/AVC-Intra50/ AVC-LongG50/AVC-LongG25: 10 bit AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bit
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 DVCPRO50/DVCPRO: DV-Based Compression DV: DV Compression

Digital Audio

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

Proxy

Video Compression Format:	MPEG4 Simple Profile, H.264/AVC Baseline Profile, H.264/AVC High Profile
Audio Compression Format:	AAC-LC, Linear PCM
Approx. Recording Time**:	AVC-G6 2 CH MOV Approx. 13 min, STD 2 CH MP4 Approx. 78 min (1 GB) SHQ 2 CH MOV Approx. 25 min, HQ 2 CH MOV Approx. 78 min HQ 4 CH MOV Approx. 72 min, LOW 2 CH MOV Approx. 135 min

Video Input/Output

SDI IN:	BNC x 1 HD-SDI: 3 G: 0.8 V [p-p], 75 Ω 1.5 G: 0.8 V [p-p], 75 Ω SD-SDI: 0.8 V [p-p], 75 Ω Switch the menu to use as <VIDEO IN> terminal/ return video input terminal/<GENLOCK IN> terminal
SDI OUT1:	BNC x 1 HD-SDI: 3 G: 0.8 V [p-p], 75 Ω, 1.5 G: 0.8 V [p-p], 75 Ω SD-SDI: 0.8 V [p-p], 75 Ω
SDI OUT2:	BNC x 1 HD-SDI: 3 G: 0.8 V [p-p], 75 Ω, 1.5 G: 0.8 V [p-p], 75 Ω SD-SDI: 0.8 V [p-p], 75 Ω
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)

Audio Input/Output

AUDIO IN: (CH1/CH2)	XLR x 2, 3-pin, LINE/MIC/MIC+48V switchable type LINE: 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu) MIC: -60 dBu (-60 dBu/-50 dBu selectable menu) MIC+48V: Phantom +48 V supported, -60 dBu (-60 dBu/-50 dBu selectable menu)
MIC IN:	XLR x 1, 5 pin, Phantom +48 V (selectable menu), -40 dBu (-50 dBu/-40 dBu selectable menu)
Wireless Slot:	25 pin, D-SUB, -40 dBu, 2 CH supported
AUDIO OUT: (CH1/CH2)	XLRx1, 5 pin, equilibrium low impedance 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu)
PHONES Out:	Stereo mini jack x 2
Speaker:	20 mm diameter, round x 1

Other Input/Output

GENLOCK IN:	BNC x 1, 1.0 V [p-p], 75 Ω
TC IN:	BNC x 1, 0.5 V [p-p] - 8 V [p-p], 10 kΩ
TC OUT:	BNC x 1, 2.0 ±0.5 V [p-p], low impedance
DC IN:	XLR x 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
VF:	20 pin
LAN:	100BASE-TX/10BASE-T
USB2.0 (device):	Type B connector, 4 pin
USB3.0 (host):	Type A connector, 9 pin
USB2.0 (host):	Type A connector, 4 pin
LIGHT:	2 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 4.5 A (up to 50 W equivalent)
LCD Monitor:	8.76 cm (3.45 inches) LCD monitor, approx. 921000 dots (16:9)

Included Accessories

Shoulder strap, Mount cap

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