

Specifications

As of August, 2014

General

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| Power: | DC 12 V (11.0 V to 17.0 V) |
| Power Consumption: | 22 W (when the optional board AG-YA600G is installed) |
| 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. 2.8 kg (6.2 lbs.) (body only, excluding the battery and accessories) |
| Dimensions: | 144 mm (W) × 267 mm (H) × 350 mm (D) (5-21/32 inches × 10-1/2 inches × 13-25/32 inches) Body only, excluding protrusion |

Camera Unit

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| Pickup Device: | 2/3 type 2.2 million pixels, MOS × 3 |
| Lens Mount: | 2/3 type bayonet |
| 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 |
| Super Gain (S.GAIN): | Selectable from 30 dB, 36 dB, 42 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 1/250.0 sec. 30p mode: 1/30.0 sec. to 1/250.0 sec. 24p mode: 1/24.0 sec. to 1/250.0 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: 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. 0.22 lx (HIGH SENS MODE, F1.4, +42 dB (S.GAIN)) |
| Image S/N: | 62 dB (standard) |
| Horizontal Resolution: | 1000 TV or higher (center) |

Memory Card Recorder

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| Recording Media: | P2 card (for microP2 card: adaptor is required) |
| System Format: | 1080/59.94i, 1080/23.98pF, 720/59.94p, 480/59.94i, 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: | 1080/59.94i, 1080/29.97pN, 1080/23.98pN, 720/59.94p, 720/29.97pN, 720/23.98pN, 480/59.94i, 480/29.97p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i, 576/25p |
| Recording/Playback Time*: | 16GB × 1 32GB × 1 64GB × 1 AVC-Intra100: Approx. 16min. Approx. 32min. Approx. 64min. AVC-Intra50: Approx. 32min. Approx. 64min. Approx. 128min. AVC-LongG50: Approx. 32min. Approx. 64min. Approx. 128min. AVC-LongG25: Approx. 64min. Approx. 128min. Approx. 256min. AVC-LongG12: Approx. 120min. Approx. 240min. Approx. 480min. DVCPRO HD: Approx. 16min. Approx. 32min. Approx. 64min. DVCPRO 50: Approx. 32min. Approx. 64min. Approx. 128min. DVCPRO/DV: Approx. 64min. Approx. 128min. Approx. 256min. |

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

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| Sampling Frequency: | 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

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

Proxy

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| 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. 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

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| SDI OUT/IN (option): | BNC×1 1.5 G HD SDI: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω |
| MON OUT: | BNC×1 (Can be switched to HD SDI/SD SDI/analog composite on SmartUI.) 1.5 G HD SDI: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω Composite: 1.0 V [p-p], 75 Ω |
| HDMI OUT: | HDMI×1 (HDMI type A terminal, not compatible with VIERA Link) |

Audio Input/Output

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| Audio IN: | 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, 2CH 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

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| GENLOCK IN: | BNC×1, 1.0 V [p-p], 75 Ω |
| TC IN/OUT: | BNC×1, IN/OUT switch selection IN: 0.5 V [p-p] to 8 V [p-p], 10 kΩ OUT: 2.0 ±0.5 V [p-p], Low impedance |
| 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 |
| VF: | 20 pin |
| LAN: | 100BASE-TX/10BASE-T |
| USB2.0 (host): | Type A connector, 4 pin |
| USB2.0 (device): | Type B connector, 4 pin |
| USB2.0 (sub host): | Type A connector, 4 pin (exclusively for wireless module AJ-WM30) |

Included Accessories

Shoulder strap, Mount cap

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

* Time shown above is when you record a series of 1 shot to a P2 card. Depending on numbers of shots you record, the time will get shorter than the number shown above.