### Specifications

**Sensors Section**
- 1/3.2" 1 M Pixel (960 x 720) CMOS Sensor
- Effective Pixels: 86.2 million (TTL)

**Lens Section**
- F Value: F1.8 - 4.0
- Optical Zoom: 20x
- Image Height: 3.568 x 2.678 mm
- 35 mm Film Camera Equivalents (Motion Image/Still Image) 35.0 x 24.8 mm (TTL)
- Filter Diameter: 49 mm
- HDMI Jack: Reinforced

**Camera Section**
- Standard Illumination: 1280 lx
- Minimum Illumination: 2 lx in Super Slow Shutter, 50 I.S.O.
- Intelligent Zoom: 20x
- Intelligent Zoom Off: 1920 x 1080
- Focal Length: 35 mm Film Camera Equivalent 29.5 mm
- Iris: Auto / Manual
- Shutter Speed: 1/6 - 1/8000
- Focus: Manual Ring
- Viewfinder: 0.24-inch Wide EVF (Approx. 1,555K dots equivalent)
- LCD Monitor: 3.0-inch Wide LCD Monitor (Approx. 460K dots)
- Monitor: Approx. 70 lx (1.0 m)
- Viewfinder: Approx. 5000K
- Approx. 30°

**Microphones Section**
- Audio Compression Method: MP4: LPCM (2ch)
- Audio Interface: Type A: USB 2.0 Hi-Speed, for External Media Device Connection*
- Headphone: Yes (3.5mm stereo mini)
- XLR Input: Yes (5-pin XLR female)
- Stereo Microphone: 20x
- Microphone: 20 thumbnails/page, 9 thumbnails/page, 1 thumbnail/page
- Conversion Filter: LED Light Filter (Diffusion Filter / Color Conversion Filter)
- Conversion Filter: Approx. 30°
- Color Temperature: Approx. 30°

**Memory Card Section**
- Recording Format: MOV, MP4
- Recording Mode: SHQ, HQ, SP, LP
- Effective Pixels: 6.03 megapixels [16:9]
- Effective Pixels: 0.3 megapixels (640 x 480)
- Effective Pixels: 2.1 megapixels (1920 x 1080), 0.2 megapixels (640 x 360)
- Effective Pixels: 1440 x 1080, Average 5Mbps (VBR)
- Effective Pixels: 1920 x 1080, Average 17Mbps (VBR)
- Effective Pixels: 1920 x 1080, Max. 24Mbps (VBR)
- Effective Pixels: 1920 x 1080, Max. 28Mbps (VBR)

**Playback Mode**
- Playback Mode: 1-touch playback, 1-touch playback, 1-touch playback

**Optional Accessories**
- Filter Kit: AG-MC2000
- XLR Microphone: VW-VBD5B
- Battery Pack: AG-VBR959
- Battery Charger: AG-BR950
- SD Memory Card: SDHC/SDXC Memory Card

**Weight and Dimensions**
- Approx. 1500g (3.31 lb)
- Dimensions (W x H x D): Approx. 170 x 170 x 335 mm (6.69 x 6.69 x 13.2 inch)
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**Read and Write Speeds**
- Read: up to 95MB/s
- Write: up to 45MB/s

**Charger**
- Quick Charger for VBR Series Battery: AG-BRD50

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*Weights and dimensions are approximate. All design, functions, and specifications are subject to change without notice. All monitor and TV pictures are simulated. 1 GB = 1 billion bytes. Usable capacity will be less. You may not always reproduce 35 mm film. The product is part of a network, and the use of network, any part of the software applications supplied with the product for commercial purposes without written permission. *All other companies and product names are trademarks of their respective corporations.
Versatile Professional Functions

3.0-inch Slide-Retractable LCD with Touch Operation
This handy LCD serves as a high-definition, 460K-dot monitor and menu-setting touch panel. When not in use, it slides into the front handle for extra mobility and safety. It also rotates 270 degrees vertically for easy high-angle, low-angle and self-interview shooting.

Tiltable Viewfinder with Eyecup
The 1,550K-dot-equivalent color viewfinder can be tilted for added convenience.

Sturdy Handle
A lightweight, durable magnesium-alloy frame is used for the handle. The extra strength also expands shooting possibilities.

Brilliant Videos in Low Light

Built-in LED Video Light
The video light is extremely bright (300 lx at 1 meter), for reliable shooting in dimly lit places. A diffusion filter softens the light source, and a color conversion filter converts the color temperature.

Optical 20x Zoom
By driving each of four lens groups separately, the drive ranges are reduced, resulting in high image quality and high-powered zooming, with a compact camera body.

Illuminating LED Ring
The illuminating LED ring allows people to easily verify that recording is in progress, for smoother shooting. The user can turn the illumination on or off.

3 Manual Rings
Professional features include a focus ring, zoom ring, and iris ring on the lens barrel. This enables speedy and intuitive camera work.

2-Channel XLR Audio Input Terminals
The HC-PV100 comes with 2-channel XLR audio input terminals for external mic or line recording. It also has a +48 V phantom power supply. This enables the use of professional-spec, high-performance microphones for high-quality audio recording.

5-Axis HYBRID O.I.S. +
The HYBRID O.I.S. + uses five-axis correction to thoroughly suppress blurring all the way from wide-angle to powerful zoom shots. This lets you capture crisp, clear images, without blurring, in almost every shooting situation.

Intelligent AF
This advanced AF system achieves superior focus speed, excellent stability, and high tracking performance.

1/3.1-inch BSI Sensor
The effective area is increased* to achieve the high image quality of 6.03M effective pixels. This gives you bright, beautiful shots even in dark places.

* Compared to the HC-MDH2.

Dual SD Card Slot
<table>
<thead>
<tr>
<th>Relay Recording with Hot Swap</th>
</tr>
</thead>
<tbody>
<tr>
<td>When the first card becomes full, the system automatically and seamlessly switches to the second card. And Hot Swap Recording lets the user exchange the card while shooting. This means that recorded cards can be exchanged one after another with blank cards for endless recording.*</td>
</tr>
</tbody>
</table>

* The file is divided every 10 hours.

Simultaneous Recording
The same data is recorded onto both cards, so you don’t have to worry about losing the data.

29.5mm Wide-Angle*
The wide-angle feature fits more people and more of the background into the frame. * 35mm camera equivalent
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* Compared to the HC-MDH2.
### Specifications

#### SENSOR SECTION

- **Sensor Type:** 1/2.7-inch 8.85 Megapixels MOS Sensor
- **Effective Pixels:** 8.35 Megapixels (16:9) 8.85 Megapixels (4:3)

#### LENS SECTION

- **F Number:** 1.2
- **Zoom:** 20x
- **Filter Diameter:** 49 mm
- **Focus Length (Motion Image/Still Image):** 29.5 mm, 35 mm Film Camera Equivalent

#### CAMERA SECTION

- **Standard Illumination:** 1/2.5lx
- **Minimum Illumination:** 1/2.5lx in Super Gain Mode, Shutter 1/2000
- **Zoom:** 20x
- **Shutter Speed:** 1/6 to 1/8000
- **White Balance:** Auto / 2.4V / 2.5V / 2.2V / 2.3V / 2.6V
- **Image Stabilizer:** 5-axis HYBRID O.I.S. + with Level Shot Function
- **Image Size:**
  - 4:3: 3.26 megapixels (1920 x 1080), 0.9 megapixels (640 x 480)
  - 16:9: 2.1 megapixels (1920 x 1080), 0.2 megapixels (640 x 360)

#### RECORDING SECTION

- **Recording Mode:** AVCHD, MOV, MP4
- **Audio Compression Method:** MPEG-4 AVC/H.264, MP4: LPCM (2ch), MOV: LPCM (2ch)
- **System Frequency:** 50.00 Hz
- **Recording Format:** MPEG-4 AVC/H.264
- **Recording Code:** Picture Code (1920 x 1080), Picture Code (1280 x 720), Profile Code
- **Zoom:** 2x / 5x / 10x
- **F Value:** F1.8 – F3.6
- **Shutter Speed:** 1/6 — 1/8000
- **Color Temperature:** Approx. 3200K / 5600K / VAR (2000K—15000K) / Ach Fixed / Bch Fixed
- **Gain:** Auto / Manual
- **Gain:** Auto / Manual
- **3.5mm mini jack x 1 (FOCUS/IRIS)
- **Input Terminal Cap (2 Caps), Eye Cup, Lens Cap, AV Cable, Microphone Holder, Microphone Holder Screws (2 Screws), AC Adaptor, AC Cable, Rechargeable Battery Pack (2,900mAh), HEADPHONE with Color, LED Light Filter (Diffusion Filter / Color Conversion Filter)
- **Accessory Shoe:** Yes (3.5mm stereo mini)
- **LED Light Filter:** Approx. 70 lx (1.0m)

#### POWER SUPPLY

- **Battery Pack:** AG-VBR59 / AG-VBR89G
- **Power Consumption:** 11.7W (Recording) / 27.4W (Charging)
- **Power Supply:** 7.2V (Battery) / 12V (AC Adaptor)
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- **Power Supply:** 7.2V (Battery) / 12V (AC Adaptor)

#### INTERFACE

- **Camera Remote:** Yes (3.5mm stereo mini)
- **USB:** Micro-B / USB 2.0 Hi-Speed, Mass Storage Function (Default) / Type A / USB 2.0 Hi-Speed, for External Media Device Connector,*
- **SD Memory Card:** SDHC / SDXC Memory Card
- **Reader:** Approx. 30°

#### SUMMARY

- **Approx. 1500g (3.31 lb)
- **Approx. 3000K
- **Approx. 5000K
- **Approx. 30°
- **Approx. 300 lx (1.0m)

#### Optional Accessories

- **XLR Microphone:** AG-MC200D
- **Battery Pack:** AG-VBR59 / AG-VBR89G
- **Battery Charger:** AG-BR595
- **SD Memory Card:**
  - 16GB: RP-SDLD08GAK
  - 8GB: RP-SDLD08GAK
  - 32GB: RP-SDLD32GAK
  - 64GB: RP-SDLD64GAK
- **Lens Diameter:** 49mm
- **Lens Cap:**
  - ND Filter
  - HD Filter

*Extensive media device with a capacity of 32 GB or less, or more than 2 TB, cannot be used.

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**HC-PV100**

**High Definition Camcorder**

A New Dimension in Low-Light Shooting and Professional Functions