Full-HD 1920 x 1080 Recording
AG-AC7 lets you shoot with Full-HD picture quality. You can capture the fine details of the object which you acquire.

HD/SD Recording in AVCHD Format
AG-AC7 complies with AVCHD standard format and supports the following recording/playback mode.

<table>
<thead>
<tr>
<th>Rec/Play Mode</th>
<th>ops/VBR</th>
<th>Picture Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA mode</td>
<td>Approx. . 17 Mbps</td>
<td>1920 x 1080 Pixels</td>
</tr>
<tr>
<td>HG mode</td>
<td>Approx. . 13 Mbps</td>
<td></td>
</tr>
<tr>
<td>HX mode</td>
<td>Approx. . 9 Mbps</td>
<td></td>
</tr>
<tr>
<td>HE mode</td>
<td>Approx. . 5 Mbps</td>
<td></td>
</tr>
<tr>
<td>SA mode</td>
<td>Approx. . 9 Mbps</td>
<td></td>
</tr>
<tr>
<td>SX mode</td>
<td>Approx. . 4.5 Mbps</td>
<td></td>
</tr>
<tr>
<td>SX mode</td>
<td>Approx. . 4.5 Mbps</td>
<td></td>
</tr>
</tbody>
</table>

*SA/SX modes can not be played back with Panasonic other AVCCAM products and software for AVCCAM series.

35.8mm Wide-Angle
The 35.8mm (35 mm equivalent) setting on the AG-AC7 is ideal for a wide-angle shot such as a panoramic or a tiny space shot. This is especially handy when you want to take a wide-angle shot in a small room. For even wider angle 25mm (35mm equivalent) results, add the optional VW-4607H Wide Conversion Lens.

Intelligent 23x Zoom
Intelligent Zoom, which was achieved due to the Intelligent Resolution technology of the AG-AC7’s image processing LSI enables telephoto shots at up to 23x magnification. Even when the optical zoom range is exceeded, telephoto shots maintain their clear, beautiful HD image quality.

HYBRID O.I.S. (Optical Image Stabilizer)
This hybrid system combines the advantages of optical stabilization and electronic stabilization in one. It helps to capture beautiful images under a multiple of conditions by detecting and compensating for instability caused by a variety of movements. In addition to optical stabilization, it provides more powerful electronic correction during high-power zooming.
The AG-AC7 Camera Recorder is suitable for the cost sensitive production keeping the quality of footage with Full-HD.

**Long Life 4 hours and 35 minutes* Battery Included (approx.)**
For long events, this lets you concentrate on shooting, without worrying about battery reserves.
*Continuous recording time.

**REC. BUTTON & ZOOM LEVER ON TOP**
REC start/stop button and zoom lever are mounted on the top of the hand grip. This is particularly helpful for smooth operation when shooting from low angles.

**Built-in Zoom Microphone**
In proportion to the zoom setting of the lens, the two ECMS (electret condenser microphones) adjust automatically to bring sound and images together for exceptional atmosphere.

**O.I.S. Lock**
Pressing the O.I.S. Lock button on the LCD monitor maximizes the camera’s blur detection sensitivity and correction. This is ideal for applications like bird watching, which call for zooming at a fixed angle.
*Considerable blurring occurs when panning or tilting the camera, due to the movement of the corrective lens.

**Touch Screen 6.7 cm (2.7 inches) LCD Monitor**
Control settings are made by simply touching the LCD screen. Operation is intuitive and easy, and the large letters are easy to read. Shooting and viewing are simple and stress-free.

**Wind Noise Canceller**
This function automatically detects and suppresses only wind noise, to give you natural sounds with lifelike ambience.

**Manual Functions for Creative Flexibility**
Let your true creativity shine, with a wealth of manual controls at your fingertips. Of course, you can also switch to auto mode, ideal when you need to start shooting at a moment’s notice.

**SD Memory Card Recording**
This camera records on SDXC/SDHC/SD Memory Cards to provide outstanding compatibility with PC applications and rapid data transfer. Unlike with video tape, there’s no need for cueing with the SD Memory Card because recording begins in a blank section of memory.

*SA/SX modes can not be played back with Panasonic other AVCCAM products and software for AVCCAM series.
*Maximum continuously recordable time for one scene is 12 hours in any mode.

<table>
<thead>
<tr>
<th>Recording Mode</th>
<th>Recording Time (with 64GB card)</th>
<th>Picture Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA mode</td>
<td>Approx. 8 hours and 30 minutes</td>
<td>1920 x 1080 Pixels</td>
</tr>
<tr>
<td>HG mode</td>
<td>Approx. 11 hours</td>
<td></td>
</tr>
<tr>
<td>HX mode</td>
<td>Approx. 16 hours and 50 minutes</td>
<td></td>
</tr>
<tr>
<td>HE mode</td>
<td>Approx. 27 hours and 30 minutes</td>
<td></td>
</tr>
<tr>
<td>SA mode</td>
<td>Approx. 16 hours and 30 minutes</td>
<td>720 x 480 Pixels</td>
</tr>
<tr>
<td>SX mode</td>
<td>Approx. 33 hours</td>
<td></td>
</tr>
</tbody>
</table>

*The functions included in iA may not be applied when conditions do not call for them.
### Specifications (As of June, 2011)

#### General
- **Power Supply:** DC 9.3 V (when using AC adaptor) / DC 7.2V (when using battery)
- **Power Consumption:** 5.0 W (recording)
- **Weight:** Approx. 1.8 kg (Approx. 3.97 lbs), main body only
- **Dimensions (W x H x D):** 268 mm x 224 mm x 432 mm (8-1/2 inches x 8-7/8 inches x 17-1/16 inches)
- **Media:** SD/SDHC/SDXC Memory Card

#### Image Sensor
- **Image Sensor:** 1/4.1 type MOS
- **Total Pixels:** 3.32 megapixels
- **Effective Pixels:**
  - **Motion Image:**
    - [4:3]: 1.02 megapixels (tele)-1.44 megapixels (wide)
    - [16:9]: 1.36 megapixels (tele)-1.92 megapixels (wide)
  - **Still Image:**
    - [3:2]: 1.46 megapixels (tele)-2.08 megapixels (wide)
    - [16:9]: 1.36 megapixels (tele)-1.92 megapixels (wide)
    - [4:3]: 1.52 megapixels (tele)-2.16 megapixels (wide)

#### Camera Section
- **Standard Illumination:** 1400 lx
- **Minimum Illumination:** Approx. 4 lx (1/30 Low Light scene mode), Approx. 1 lx (Color Night View)
- **White Balance:** Auto / Indoor1 / Indoor2 / Sunny / Cloudy / White set
- **Shutter Speed:** Motion Image: [60i] 1/60 sec. to 1/8000 sec.
  - Still Image: 1/2 sec. to 1/20000 sec.
- **Image Stabilizer:** HYBRID O.I.S. (Optical Image Stabilizer) / O.I.S. Lock
- **Focus/Iris:** Auto / Manual
- **Backlight Compensation:** √

#### Lens Section
- **Lens:** Panasonic Lens
- **F Value:** F1.8 (wide) / F2.6 (tele)
- **Optical Zoom:** 16.8 x
- **Intelligent Zoom:** 23 x
- **Digital Zoom:** 50 x / 1200 x
- **Focal Length:** 2.9 mm to 48.7 mm
- **35mm Film Camera Equivalent:**
  - [4:3]: 35.8-716 mm (16:9), 43.9-878 mm (4:3)
  - [16:9]: 35.8-716 mm (16:9)
  - [3:2]: 35.8-716 mm (3:2)

#### Recording Section
- **Recording Mode and Transfer Rate:**
  - [1920 x 1080]: HA (Approx. 17 Mbps / VBR), HG (Approx. 13 Mbps / VBR), HGX (Approx. 9 Mbps / VBR),HX (Approx. 5 Mbps / VBR)
  - [720 x 480]: SA (Approx. 9 Mbps / VBR), SX (Approx. 4.5 Mbps / VBR)
- **Compression:** MPEG4-AVC/H.264
- **Signal System:** 1080/60i, 480/60i
- **Creating still picture from motion picture:**
  - [4:3]: 0.3 megapixels (640 x 480)
  - [16:9]: 2.1 megapixels (1920 x 1080)
- **Simultaneous Recording:**
  - [4:3]: 0.2 megapixels (640 x 360)
  - [16:9]: 2.1 megapixels (1920 x 1080)
- **Recording Image Size:**
  - [4:3]: 0.3 megapixels (640 x 480)
  - [16:9]: 2.1 megapixels (1920 x 1080)
  - [3:2]: 0.3 megapixels (640 x 480)

#### Still Image Section
- **Still Image:**
  - [4:3]: 0.3 megapixels (640 x 480)
  - [16:9]: 2.1 megapixels (1920 x 1080)
- **Compression:** JPEG (Design rule for Camera File system, based on Exif 2.2 standard)
- **Recording Format:**
  - [3:2]: 2.6 megapixels (2064 x 1376)
  - [16:9]: 2.1 megapixels (1920 x 1080)
  - [4:3]: 2.9 megapixels (1952 x 1446), 0.3 megapixels (640 x 480)

#### Monitor
- **LCD:** 6.7 cm (2.7 inches) Wide LCD (230k dots)

#### Accessories
- **Standard Accessories:** AC Adaptor, AC Cable, DC Cable, Rechargeable Battery Pack VW-VBG260, Shoulder Strap, Lens Cap, Stylus Pen
- **Interfaces:** HDMI / USB 2.0 Hi-Speed / AV / Video Component
- **Weight and Dimensions:** Approx. 3.97 lbs, main body only

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**Notes:**
- Design, functions, and specifications are subject to change without notice. You are not allowed to reproduce (copy), or transfer to a network, any part of the software applications supplied with this product for commercial purposes without written authorization.
- All monitor and TV pictures are simulated.
- Weight and dimensions shown are approximate. Specifications are subject to change without notice. All monitor and TV pictures are simulated.