

Panasonic

ideas for life

AVCCAM

Memory Card Camera Recorder
AG-HMC80 series
(AG-HMC81/HMC82/HMC83/HMC84)

Preliminary

**Shoulder-mount
Design**

**1/4.1-inch
Progressive 3MOS**



**HD/SD
Multi-codec**

**Cine-Like
Shooting**

A Tapeless Camera Recorder That Meets the Needs of Professional HD/SD Multi-Format Recording

The multi-format AG-HMC80 series records in both AVCHD (HD) and DV (SD) formats onto SD/SDHC Memory Card. This tapeless camcorder features a 12x optical zoom lens, Optical Image Stabiliser (OIS), and a 1/4.1-inch, 3.05-megapixel (approx. 2-megapixels/effective image pixels), progressive 3MOS. In HD mode, the AVCHD format has twice the compression efficiency of MPEG-2 for superb image quality. Its exclusive PH mode allows exceptional quality recordings at a higher bit rate (max. 24 Mbps). SD mode records AVI files using the popular DV compression method. This file-based system enables effective use of existing DV compatible nonlinear editing systems. The AG-HMC80 series also features a shoulder-mount design that enables stable shooting, XLR audio input (with phantom microphone support), and a BNC component/composite image output terminal as standard equipment, for smooth compatibility with professional systems.



* Memory card not included.



AVCCAM 3-Year Warranty Repair Program*

<<http://pro-av.panasonic.net/>>

* AG-HMC80 series users qualify for a 3-year warranty on repairs.
See the website for details:

AVCHD

AG-HMC80 series Memory Card Camera Recorder

Full-HD (AVCHD) and SD (DV) Recording

- 12x optical zoom lens with Optical Image Stabiliser (OIS), and user-settable Manual Focus Ring that can be assigned to iris or zoom
- 1/4.1-inch 3.05-megapixel (approx. 2-megapixels/ effective image pixels), progressive 3MOS for high image quality
- HD/SD multi-format recording (see table at below)
- Professional High-quality (PH) mode for full-raster HD recording
- AVI file recording with DV compression
- Dynamic Range Stretch (DRS)
- Cine-Like Gamma function
- Still-image shooting function (approx. 10.6-megapixels)
- Repeat playback
- Colour bars
- Downconverted output (squeeze, letterbox, side crop)



HD/SD multi-format recording

Recording Format	
1080	1080/50i
1080 (only PH mode)	1080/25p
720 (only PH mode)	720/50p 720/25p
576 (only DV mode)	576/50i 576/25p

Records for 180 minutes (approx.) in the highest-quality (PH) mode

Recording Mode	Image Size (H x V)	Bit Rate	Max. Recording Time with a 32GB SDHC Memory Card
PH Mode	1920 x 1080 1280 x 720	Approx. 21 Mbps (Average), Max. 24 Mbps	Approx. 180 minutes
HA Mode	1920 x 1080	Approx. 17 Mbps (Average)	Approx. 240 minutes
HG Mode	1920 x 1080	Approx. 13 Mbps (Average)	Approx. 320 minutes
HE Mode	1440 x 1080	Approx. 6 Mbps (Average)	Approx. 720 minutes
DV Mode	720 x 480	Approx. 25 Mbps (Average)	Approx. 120 minutes

This brochure is preliminary. Specifications and functions are subject to change without notice.

Tapeless Recording with the Reliable, Efficient SD Memory Card.

- No transport mechanism! Solid-state recording for high durability and reliability against vibration and impacts
- Inexpensive, readily available, reusable SD/SDHC Memory Cards
- Records for 180 minutes (approx.) in the highest-quality (PH) mode, or 720 minutes (approx.) in extended (HE) mode when using a 32GB SDHC Memory Card
- Thumbnail display on the viewfinder/monitor allows easy image confirmation and deletion.
- Advanced tapeless recording functions, including pre-REC, interval REC, shot marker, and metadata*

* Metadata is recorded in AVCHD mode only.

Versatile Interfaces, Professional Design

- Shoulder-mount style for stable recording
- Professional audio specifications include XLR audio input (2-channel input, mic/line switchable, +48V compatibility)
- Waveform monitor display function on LCD display is ideal for checking luminance.
- Large, tiltable viewfinder/monitor with eyecup
- Digital zoom (2x, 5x, 10x)
- Focus assist function (focus bar display, enlarged display)
- Auto focus (with face detection function)
- Zebra display and synchro-scan shutter function
- Three user-assignable, shooter-customizable buttons
- TC/UB recording compatibility
- Time Date Stamp capability for legal deposition applications
- USB 2.0 (B-type devices)
- HDMI out (A-type device), analogue component out (BNCx3) composite out (BNCx1*), audio out (RCAx2)
- Camera remote terminals (focus & iris control, REC start/stop & zoom control)
- AVCCAM 3-year warranty repair program
- 43mm Filter Diameter
- 2640mAh battery is standard
- Headphone Jack
- External microphone jack (3.5-mm diameter)
- DV connector (IEEE 1394 standard)
- Built-in Stereo Microphone

* BNC connector is switchable use between component and composite out



Panasonic®

Panasonic Corporation
Systems Business Group
 2-15 Matsuba-cho, Kadoma, Osaka 571-8503
 Japan
 Phone +81 6 6901 1161 Fax +81 6 6908 5969
<http://pro-av.panasonic.net/>

[Countries and Regions]

Argentina +54 1 308 1610
 Australia +61 2 9986 7400
 Bahrain +973 252292
 Belgium +32 (0) 2 481 04 57
 Bulgaria +359 2 946 0786
 China +86 10 6515 8828
 (Hong Kong +852 2313 0888)
 Czech Republic +420 236 032 552/511
 Denmark +45 43 20 08 57
 Egypt +20 2 23938151
 Finland, Latvia, Lithuania, Estonia +358 (9) 521 52 53
 France +33 (0) 1 55 93 66 67
 Germany, Austria +49 (0) 611 235 401
 Greece +30 210 96 92 300
 Hungary +36 (1) 382 60 60
 India +91 120 247 1000
 Indonesia +62 21 385 9449
 Iran (Vida) +98 21 2271463
 (Panasonic Office) +98 2188791102
 Italy +39 02 6788 367
 Jordan +962 6 5859801
 Kazakhstan +7 727 298 0891
 Kuwait +96 522431385

Lebanon +96 11665557
 Malaysia (PM & PSE) +60 3 7809 7888
 Montenegro, Serbia +41 (0) 26 466 25 20
 Netherlands +31 73 64 02 577
 New Zealand +64 9 272 0100
 Norway +47 67 91 78 00
 Pakistan +92 5370320 (SNT)
 Palestine +972 2 2988750
 Philippines +63 2 633 6163
 Poland +48 (22) 338 1100
 Portugal +351 21 425 77 04
 Romania +40 21 211 4855
 Russia & CIS +7 495 980 4206
 Saudi Arabia +96 626444072
 Singapore +65 6270 0110
 Slovak Republic +421 (0) 2 52 92 14 23
 Slovenia, Croatia, Bosnia, Macedonia +44 (0) 20 76 63 36 57
 South Africa +27 11 3131622
 Spain +34 (93) 425 93 00
 Sweden +46 (8) 680 26 41
 Switzerland +41 (0) 41 259 96 32
 Syria +963 11 2318422/4

Thailand +66 2 731 8888
 Turkey +90 216 578 3700
 U.A.E. (for All Middle East) +971 4 8862142
 Ukraine +380 44 4903437
 U.K. +44 (0)1344 70 69 20
 Vietnam +848 38370280



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Factories of Systems Business Group have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)