

Panasonic
ideas for life

DVCPRO HD **P2**

AG-HVX200

Memory Card Camera-Recorder



Your quest for the next-generation HD/SD camera-recorder has ended.

HVX200

True High Definition

DVCPRO HD — The best high-definition format for professional use

There are a number of 1080i and 720p HD recording formats in use today. But if producing professional content is your aim, there's one that offers advantages over all of the others.

The DVCPRO HD format, developed by Panasonic. Already in use at broadcasting stations and movie production companies around the world, DVCPRO HD is a full-fledged HD format that meets today's high-level professional needs.

And soon, for the first time in the industry, DVCPRO HD will be available in a handheld camera-recorder – the Panasonic AG-HVX200.

The AG-HVX200 records 4:2:2 digital component video signals, today's mainstream format for post-production, at a low compression ratio of 100 Mbps. Images are superb, with an extreme low noise level that provides smooth image edges. The AG-HVX200 allows high-end video production techniques, such as blue or green screen compositing. And because DVCPRO HD uses intraframe compression, the AG-HVX200 has an outstanding error correction function that helps provide precise editing with high image quality.

Sound quality is excellent too, thanks to DVCPRO HD's uncompressed 16-bit, 4-channel digital audio recording capability.

The AG-HVX200 features a progressive HD 3CCD imaging system and an HD-quality wide-angle Leica Dicomar zoom lens. It can record DVCPRO HD video in either 1080i or 720p. And it supports 576i recording, so you record in DVCPRO50, DVCPRO or DV as well.

Providing outstanding images and sound in both HD and SD, the AG-HVX200 is perfectly suited to news gathering and content production.



3CCD

FOCUS ASSIST
FOCUS ND FILTER

A 1/4
M 1/8
PUSH AUTO OFF

WHITE BAL

MODE LOCK

SHUTTER — SPEED SEL

Panasonic

DVC PRO HD P2

Inheriting the Variable Frame Rate's Proud Legacy

Outstanding film-like expressivity in a camera-recorder with advanced digital functions

For producing movies, TV programmes and commercials, more and more companies have chosen Panasonic's DVCPRO HD Variable Frame Rate Camera-Recorder, AJ-HDC27F.

Its film-like rendering capability has inspired many movie industry professionals to make the switch from film to digital. The AJ-HDC27F is an ideal solution for 24p and 25p HD video acquisition, but that's not all. With its Cine-like Gamma, AJ-HDC27F closely replicates the rich latitude of film. And with its variable frame rate function, it allows the same kind of overcranking and undercranking that a film camera offers.

The AG-HVX200 inherits its advanced functions and warm, rich expressivity. It allows 25p progressive shooting in both 720p and 1080i recording, and it provides a Cine-like Gamma that captures images that are strikingly similar in tone to film.

The AG-HVX200 is the industry's first handheld camera-recorder with a variable frame rate function. It goes a step beyond the AJ-HDC27F by adding the convenience of P2 card recording. You can use the AG-HVX200 camera to record a series of frames, and then preview the speed effect on the camera itself.

The AG-HVX200 puts the film-like rendering capabilities that distinguish the AJ-HDC27F into the hands of a wider range of users. For those already using it, the AG-HVX200 can serve as an extremely mobile sub-camera that lets you explore entirely new shooting possibilities.



Normal cinematic shooting is done at 24 fps, the same rate as in film cameras.



Lower-speed shooting at 4 to 23* fps lets you attain fast-motion effect. This technique can be combined with warp-speed effect, special emphasis to flowing water, fast-moving clouds.



Higher-speed shooting at 25* to 60 fps lets you attain slow-motion effect. This is especially effective for high-action scenes such as car chases or crashes, or for scenes with great dramatic impact.



P2 – Fast, Mobile, Reliable

Imagine a seamless work flow, from shooting to editing to broadcasting.

The P2 card is a new solid-state recording media that Panasonic developed to bridge the gap between information technology and professional video. About the same size as a PC card, the P2 card stores large amounts of video and audio data in MXF-format files.

A P2 system can revolutionize content production, creating a seamless flow from shooting to editing to broadcasting. P2 systems have already been delivered to hundreds of broadcasting companies around the world. Imagine what P2 can do for you. This solid-state memory is free of tape-related problems such as drop-outs. It provides superior resistance to impact, vibration and temperature change. With P2, you cannot accidentally overwrite important recorded data. And unlike with video tape, you don't have to fast-forward or rewind a P2 card. Simply select a thumbnail, and the video clip can be reviewed right away. Or press the REC button, and recording begins immediately. The P2 card can then be inserted into a PC without digitizing, giving you direct connection to a non-linear editor or network server.

The AG-HVX200 is the industry's first handheld camera that records on P2 cards. There are two card slots, so you can hot swap for continuous recording. For extended on-the-spot recording, the P2 card with recorded data can be inserted into the AJ-PSC060G "P2 Store" external hard drive, which holds as much data as 15 4-GB P2 cards.

The AG-HVX200 can record HD, DVCPRO50, DVCPRO or DV format data on P2 cards. A built-in tape drive allows it to record on DV tape too. This versatility makes the AG-HVX200 an outstanding solution for a wide range of HD/SD recording applications.





1 ABC05D1234 PROTECT

2

AVI

VIDEO HD P2

SCE
FILE

EVF-DTL CH 1 AUDIO CH 2

CAM

OUT

Li-ion BATTERY PACK

8GB

Panasonic

P2

Calling Out to Production Professionals

A camera that stands out for ease of use.

The AG-HVX200 starts with many of the same features as Panasonic's AG-DVX100A professional DV camera-recorder, and adds a number of advanced functions and features that improve ease of use.

- * **Optical system:** The cam-driven manual zoom, the focus ring, and the iris dial provide outstanding manual shooting ease.
- * **Pro audio:** XLR audio input terminals that are compatible with 48-V phantom power supply and volume dials for two channels allow the use of handheld or shotgun microphones. The AG-HVX200 can simultaneously record up to four channels of uncompressed digital audio.
- * **Assist functions:** Shooting assist functions include focus assist (center zoom) button, built-in ND filter, gain-up (including accumulation mode), scene file dial, programmable user buttons, and full-auto mode.
- * **Viewfinder/monitor:** A large-diameter viewfinder with a tilt-up mechanism and a 3.5-inch LCD monitor are standard equipment. The high-brightness monitor displays menus and thumbnails and is convenient for previewing video clips.
- * **Design:** The body is short and easy to handle. The center of gravity is at the grip section, making the camera easy to hold. The large handle at the top has been designed to provide an unobstructed forward view.





Inside of LCD Panel



Switches & Buttons beside of Lens



XLR Audio Inputs



LCD Monitor



Rear Side

Partnership with Non-linear Editor Suppliers

Compatibility with a wide range of non-linear editing systems.

In developing DVCPRO and P2 products, Panasonic worked in collaboration with a number of strategic IT partners. The results are products that offer maximum compatibility with existing hardware and software, including IT-based system platforms and non-linear editors and network servers.

The P2 (DVCPRO, DVCPRO50) system is supported by 15 of the industry's leading manufacturers and suppliers of non-linear editors and network servers (as of April 2005).

The DVCPRO HD format is supported by Apple, Avid and Canopus. Using non-linear editing systems from these three leading companies, you can produce HD videos from DVCPRO HD native files.

Equipped with an IEEE 1394 digital interface and USB2.0 interface, the AG-HVX200 can be connected directly to a PC or a Mac. Or you may use the P2 Store to temporarily hold the data that has been transferred from the P2 cards and then connect the P2 Store at the appropriate time for transfer and editing. The P2 Drive which holds 5 P2 cards can also be used as a source for Non Linear Editing.



Apple Final Cut Pro 5 (Power Mac G5)



Avid Xpress Pro HD
Avid NewsCutter family
Avid Media Composer Adrenaline HD



Canopus EDIUS HD/SD/SP/NX

Versatile Shooting

Imagine the many ways you could use a camera this versatile.

High-quality DVCPRO HD recording. Warm, film-like expressivity. A streamlined work flow. The AG-HVX200 P2 camera-recorder offers all this and more in a compact, affordably priced unit. This ground-breaking camera-recorder represents an outstanding solution to today's needs in professional video content production.

- * **In high-end content production:** In production systems using the AJ-HDC27F or AJ-SDX900, the AG-HVX200 can serve as a sub-camera for recording in high definition or standard definition. Its outstanding mobility lets you shoot in ways not possible with larger cameras.
- * **For creating low-cost content:** The AG-HVX200 can be used to create new kinds of content or in productions using DVX-series products. With the low-cost AG-HVX200 and its variable frame rate function, you can present images in creative ways that in the past were possible only with expensive high-end equipment. The AG-HVX200 also serves as a step to total HD production.
- * **In broadcasting:** The AG-HVX200 is ideal for news gathering. The P2 card allows the quick, timely production needed to cover breaking news. The AG-HVX200 is also suitable for HD news gathering operations.





Pick-up Device: 1/3-inch 16:9 CCD x 3
(progressive modes supported)

Lens: Leica DICOMAR lens with optical image stabilizer,
motorized/manual mode switching

Optical Filter: ND Filters

Shooting Mode: 1080/50i, 25p
720/50p, 25p
576/50i, 25p

Gamma: Video, Cine-Like and News Gamma

Video Recording Format: DVCPRO HD/DVCPRO50/DVCPRO/DV switchable

Audio Recording Format: 48kHz/16bits PCM audio, max. of 4CH

Recording Media: P2 card (DVCPRO HD/DVCPRO50/DVCPRO/DV)
Mini-DV (DV only)

Input and Output: Composite In/Out, S-VIDEO In/Out, Component Out,
MIC/LINE Input (XLR-3 x 2), Audio In/Out (RCA x 2)
DC Input (7.9 V), Phones

Digital Interface: IEEE 1394
USB 2.0

Specifications are subject to change without notice.

Panasonic

Matsushita Electric Industrial Co., Ltd.
Systems Business Group
2-15 Matsuba-cho, Kadoma, Osaka 571-8503
Japan
Phone +81 6 6905 4650 Fax +81 6 6908 5969
<https://www.pavc.panasonic.co.jp/pro-av/>

[Countries and Regions]

Argentina +54 1 308 1610
Australia +61 2 9887 6222
Austria +43 (0)1 610 80 773
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 3938151
Finland, Latvia, Lithuania, Estonia +358 (9)521 52 53
France +33 (0)1 55 93 66 67
Germany +49 (0)611 235 401
Greece +30 210 96 92 300
Hungary +36 (1)382 60 60
Indonesia +62 21 385 9449
Iran +98 21 2271463
Italy +39 02 67 88 449
Jordan +961 6 586 1914
Kazakhstan +7 3272 504 777

Kuwait +965 481 2123
Lebanon +961 1 216827
Malaysia +60 3 5549 5422 (PSE)
+60 3 5546 7000 (PM)
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 21
Philippines +63 2 633 6162
Poland +48 (22)338 1100
Portugal +351 21 425 77 04
Romania +40 21 211 4855
Russia & CIS +7 095 980 42 06
Saudi Arabia +966 1 465 0709
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 11 313 1400
Spain +34 (93) 425 93 00

Sweden +46 (8) 680 26 41
Switzerland +41 (0)41 259 96 32
Thailand +66 2 731 8888
Turkey +90 216 578 3700
U.A.E. +971 4 282201
Ukraine +380 44 4903437
+380 44 4903438
[ext. 112]
U.K. +44 (0) 1344 70 69 20

