

# Panasonic

# P2HD

## AJ-PX5000

Memory Card Camera Recorder

Scheduled for release in autumn 2013

Preliminary



### AVC-ULTRA,\*<sup>1</sup> microP2, Network Function,\*<sup>2</sup> and Dual Codec Recording.\*<sup>2\*3</sup> Setting a New Standard for Broadcast Camera Recorders with High-Quality Images and Low-Cost Operation.

This camera recorder sets a new standard for ENG by responding to the workflow needs in today's networked broadcast systems. In addition to conventional P2 card slots, the AJ-PX5000 is the first camera recorder offers microP2 card slots, which dramatically reduce media costs. Recording codecs include AVC-Intra and the high-image-quality, low-bit-rate, 4:2:2 10 bit AVC-LongG50/25. Dual Codec recording\*<sup>2</sup> with the Full-HD 1920 x 1080 AVC-LongG6 brings greater image quality to applications such as break news. What's more, the AJ-PX5000 is up gradable (option) with AVC-Intra200\*<sup>2</sup> for images that approach uncompressed master quality. Featuring a newly developed 2.2 megapixel 2/3 type MOS image sensor, the AJ-PX5000 achieves superb images with F12 (59.94 Hz)/F13 (50 Hz) sensitivity and 60 dB S/N. It captures 1080/59.94p, 1080/50p progressive, full-frame-rate quality and outputs it from standard-equipped 3G SDI/HDMI terminals. Operation is simplified by the use of AVC-Proxy\*<sup>2\*3</sup> videos. And options include a network function, wireless LAN, playlist editing, and uplink connection capability. A built-in GPS function supports the new ENG workflow of today's networking and IT systems.

\*1: AVC-ULTRA is the name of Panasonic's professional video codec family. The AJ-PX5000 does not support all of the formats included in the AVC-ULTRA family.

\*2: Optional function. \*3: The use of DCF Technologies is under license from Multi-Format, Inc.

**AVC ULTRA** **AVC INTRA** **AVC LongG** **P2** **micro P2** **SDXC** **HDMI**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

# New Codec, New Media, and New Network Option

## First Camera Recorder-Equipped AVC-ULTRA Codec and microP2 Card Slots

- Two standard-equipped microP2 card slots dramatically reduce media costs. Two conventional P2 card slots also accommodate ordinary P2 card.
- AVC-LongG50/25 and AVC-Intra100/50 codecs provided as standard features. AVC-LongG50/25 codecs achieve 10 bit/4:2:2 image quality at a data rate of approximately 50/25 Mbps.
- Optionally added recording codecs: AVC-Intra200\*1 for images that approach uncompressed master quality, low-bit-rate AVC-Proxy\*2\*3 for network use, and conventional DVCPRO HD/DVCPRO50/DVCPRO/DV.
- Simultaneous recording\*4 enables safe, secure double recording onto two media cards.



## Newly Developed MOS Sensor and 1080p (59.94/60) Recording

- 2.2 megapixel 2/3 type MOS image sensor achieves stunning images with F12 (at 59.94 Hz) or F13 (at 50 Hz) sensitivity and 60 dB S/N.
- Capable of recording and playing 1080/59.94p and 1080/50p progressive images (AVC-Intra100 and AVC-LongG25 modes). Standard interfaces include 3G SDI and HDMI output.
- High-quality 24 bit digital audio recording (48 kHz, 4 channels).

## Dual Codec Recording, Networking, and GPS

- Features new dual codec recording\*1\*3 (optional). While recording with the AVC-Intra100 or LongG50/25 codec, you can simultaneously record with the AVC-LongG6 low-bit-rate, HD codec. Ideal for distributing break news in Full-HD quality.
- LAN (Ethernet) terminal. An optional network function\*1 allows previewing, streaming, and metadata editing of proxy images with a PC or Mac.
- A wireless module (AJ-WM30, optional) allows wireless LAN (IEEE802.11 standard) connection for tablet\*\* or smartphone\*\* linking.
- A built-in GPS function enables positioning data to be saved onto recorded files as metadata.
- Playlists can be edited using IT connection (optional)\*1.
- Optional linking function\*1 for LiveU and other uplinking devices.\*4

## High-End Broadcast Specs

- DRS (Dynamic Range Stretch) provides a wider dynamic range with minimal blown highlights and blocked shadows.
- The Chromatic Aberration Compensation (CAC) function works with a CAC-compatible lens.
- ND filters (OFF, 1/4ND, 1/16ND, 1/64ND) built-in.
- CC filters (3200 K/4300 K/5600 K/6300 K) built-in.
- Production support with features of Scan Reverse and 7 mode Gamma.
- Focus Assist, Scene File, User's Buttons, etc., for comfortable operation.
- USB 3.0 (Host) for high-speed copying to an external HDD.
- Line recording enabled by standard-equipped SDI input. Improves on-site operation.
- The one-clip recording function records multiple cuts in a single clip.
- Loop Rec, Pre-Rec, Interval Rec and One-Shot Rec capability.
- Lightweight at approximately 3.4 kg (7.5 lb) of main unit only, Low power consumption of 33 W of main unit only.

\*1: Scheduled for future compatibility.

\*2: Proxy data cannot be recorded when using the Loop Rec or Interval Rec function. Proxy data refers to file-based data of low-resolution motion images and audio together with management data, such as a time code and metadata.

\*3: The use of DCF Technologies is under license from Multi-Format, Inc.

\*4: For the latest information, see "Service and Support" on the Panasonic website (<http://pro-av.panasonic.net/>).



Memory Card Slots

Rear Connector Panel

# Panasonic®

Panasonic Corporation  
AVC Networks Company  
2-15 Matsuba-cho, Kadoma, Osaka 571-8503  
Japan  
<http://pro-av.panasonic.net/>

### [Countries and Regions]

Argentina	+54 1 308 1610
Australia	+61 (0) 2 9491 7400
Bahrain	+973 252292
Belgium	+32 (0) 2 481 04 57
Brazil	+55 11 3889 4035
Canada	+1 905 624 5010
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 47 91 64 00
Germany, Austria, Switzerland	+49 (0) 611 235 459
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
Korea	+82 2 2106 6641

Kuwait	+96 522431385
Lebanon	+96 11665557
Malaysia	+60 3 7809 7888
Mexico	+52 55 5488 1000
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
Panama	+507 229 2955
Peru	+51 1 614 0000
Philippines	+63 2 633 6163
Poland	+48 (22) 338 1100
Portugal	+351 21 425 77 04
Puerto Rico	+1 787 750 4300
Romania	+40 21 211 4855
Russia & CIS	+7 495 6654205
Saudi Arabia	+96 626444072
Singapore	+65 6270 0110
Slovak Republic	+421 (0) 2 52 92 14 23
Slovenia, Albania, Bulgaria, Serbia, Croatia, Bosnia, Macedonia, Montenegro	+36 (1) 382 60 60
South Africa	+27 11 3131622
Spain	+34 (93) 425 93 00
Sweden	+46 (8) 680 26 41
Syria	+963 11 2318422/4

Taiwan	+886 2 2227 6214
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 13
U.S.A.	+1 877 803 8492
Vietnam	+848 38370280



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