

# Panasonic

ideas for life

# P2 HD

## AJ-HPX3100

Memory Card Camera Recorder

Preliminary



### High-End Performance in a Compact, Lightweight Design A 2/3 type P2 HD Camera Recorder for Broadcast Use with Low Power Consumption

The new AJ-HPX3100 may just change the way you view high-end broadcast camera recorders. Its new body design has a low center of gravity for added stability and gives you an unobstructed view to both sides. It also weighs 3.9 kg (8.6 lb) approximately. Two P2 card slots reside on the side where the main controls are arranged. Boasting excellent mobility and easy operation, the camera section incorporates a 2.2 megapixel 2/3 type 3CCD, a high-performance DSP, and an AVC-Intra Codec LSI. The AJ-HPX3100 records broadcast-quality HD video with full-pixel (1920 x 1080) resolution using 10 bit/4:2:2

sampling. It has a high sensitivity of F11 (2,000 lx) in 1080/59.94i mode or F12 (2,000 lx) in 1080/50i mode and low noise with a 59 dB S/N ratio (DNR ON) to assure the level of recording quality that is demanded for broadcasting and video production. P2 HD functions newly offered by the AJ-HPX3100 include 24 bit audio,\*1 high-quality proxy recording as a separately sold option, and wireless metadata input\*2 capability via wireless LAN. Armed with the reliability and quick recording starts of solid-state memory cards, the AJ-HPX3100 could revolutionize your news gathering and program production workflow.



\*1: For playback on an AVC-Intra 100/50 24 bit audio device.  
\*2: Now under development. These features will be supported in the future.

AVC INTRA DVC PRO HD DVC PRO 50 DVC PRO DV



5-year Warranty  
Repair Program

# AJ-HPX3100 — 2/3 Type Memory Card Camera Recorder



## High Image Quality for High-End Video Production

- The 2.2 megapixel 2/3 type 3CCD provides high-resolution full-pixel (1920 x 1080) HD images.
- A high sensitivity of F11/F12\*, an excellent S/N ratio of 59 dB.\*2
- The AVC-Intra 100 codec records high-quality images using 10 bit/4:2:2 sampling.
- Supports high-quality 24 bit audio recording (AVC-Intra 100/50).\*3
- The Chromatic Aberration Compensation (CAC) function compensates for registration error and chromatic aberration in lens.
- Dynamic Range Stretch (DRS) suppresses blocked shadows and blown highlights.
- The multi-format HD capability supports 1080/60i, 30p, 24p, 24pA, 50i and 25p.\*4
- Also supports SD (480i/576i) recording (DVCPRO50, DVCPRO, DV).

## P2 HD Reliability, Operating Ease and Environmental Performance

- The solid-state memory card highly resists shocks, impacts and vibration.
- The AJ-HPX3100 uses E-Series P2 cards with a large 64 GB capacity, low cost and high data transfer speed.
- Five-year warranty repair program\*5 further assures P2 reliability.
- Because the P2 card is reusable and consumes little power, it helps to reduce CO2 emissions.

## Enhanced Mobility with a Newly Designed Compact, Lightweight Body and Low Power Consumption

- A newly designed body with low center of gravity offers unobstructed views on both sides and weighs approx. 3.9 kg (8.6 lb) (without accessories).
- Two P2 card slots reside on the side where controls are located.
- Power consumption is approx. 34 W for a camera recorder only, about 23% lower than a conventional model.\*6
- New options\*7 further improve workflow — a high-quality proxy video generator and wireless module add wireless metadata input capability.
- The one-clip recording function records multiple cuts in a single clip.
- 2 disc/4 position ND/CC optical filter.
- High-resolution color LCD monitor.
- Optional color or black-and-white type viewfinder.
- Supports optional camera studio system (camera adaptor, base station, VF adaptor and extension control unit).

\*1: F11 sensitivity is attainable in the 1080/59.94i mode and F12 sensitivity is attainable in the 1080/50i mode.

\*2: S/N ratio is 59 dB when DNR is turned ON.

\*3: For playback on an AVC-Intra 100/50 24 bit audio device.

\*4: In 60i, 24p and 30p modes, images are actually recorded at 59.94 Hz, 23.98 Hz, and 29.97 Hz, respectively.

\*5: The five-year warranty repair program is not provided in some countries and regions. The basic warranty period also varies depending on the country and region. Some repairs are not covered by the warranty. The warranty repair period is subject to change, depending on equipment operating hours. For details, see the Panasonic website ([http://panasonic.biz/sav/pass\\_e](http://panasonic.biz/sav/pass_e)).

\*6: The decrease in power consumption is compared with the AJ-HPX3000 P2 HD Camera Recorder.

\*7: The high-quality proxy video generator and wireless metadata input option (sold separately) are now under development. These features will be supported in the future.

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