

Panasonic

ideas for life

AJ-HPX3100 FAQ'S

1. What is the AJ-HPX3100?

The HPX3100 is the world's only **1080p native 2.2 megapixel 2/3" 3-CCD camcorder at under \$20k**. This compact, shoulder mount HD camcorder includes all of the features and image performance of the AJ-HPX3000, but, in a compact body – closer to the size of the HPX370. Even better, the HPX3100 adds new features, including 24 bit audio recording, optional wireless metadata input and optional high-resolution proxy.

2. CCD or CMOS?

The HPX3100 uses a 2.2 megapixel 2/3" 3-CCD imager.

3. What new features does the HPX3100 provide?

The HPX3100 offers many new features, including 24 bit audio recording (* in AVC-Intra mode). In addition, the HPX3100 offers optional wireless metadata input capability and a new, optional high-resolution proxy.

4. Is the HPX3100 HD/SD compatible?

Yes.



5. What compression formats does the HPX3100 offer?

The AJ-HPX3100 captures in full-raster 1920 x 1080 resolution, including 4:2:2 10-bit color sampling with AVC-Intra 100. It also offers storage-efficient AVC-Intra 50, industry-standard DVCPRO HD and SD recording in the DVCPRO50, DVCPRO and DV formats.

6. Does the HPX3100 offer world-wide format support?

Yes. It supports world-wide HD / SD frame rates and formats, including 1080 23.98p/25p/29.97p as well as 1080 50i/59.94i.

7. What about audio support?

The 3100 supports 24-bit / 4ch audio (based on compression format). Here is the breakdown:

Compression	kHz/bit	Ch.
AVC-Intra 100/50	48 kHz, 16 bit/24 bit (switchable)	4ch
DVCPRO HD/DVCPRO 50	48 kHz, 16 bit	4ch
DVCPRO/DV	48 kHz, 16 bit	2ch/4ch

8. What is high-resolution proxy?

With the optional *AJ-YDX30 Proxy Board the HPX3100 records proxy video at selectable bit rates up to 3.5 Mbps on SD memory cards, while it simultaneously records video on P2 cards. Even better, this new proxy format supports uncompressed audio. Use proxy for enhanced production workflows, essentially lending an instant off-line file(s) for logging, review and edit on leading *NLE's. This is especially useful for high shoot-ratio projects including Reality TV and long form production.

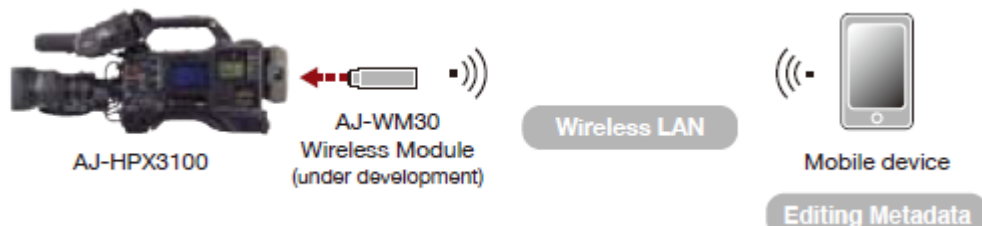
(*availability February 2011. File format and audio support may vary. Contact your NLE provider for updated compatibility).

Image size	File format	Audio
960x540	H.264 (3.5 Mbps)	16 bit/48 kHz 2CH (uncompressed)
640x360	H.264 (1.5 Mbps)	16 bit/48 kHz 4CH/2CH
480x270	H.264 (800 kbps)	16 bit/48 kHz 2CH
320x240	MPEG-4 (1.5 Mbps)	16 bit/24 kHz 2CH

9. Why do I need Wireless LAN Support?

The AJ-HPX3100 can connect wirelessly to a LAN through our new *AJ-WM30 Wireless Module and *AJ-SFU3100 Wireless software. This enables the use of a PC or Mac, or mobile devices, such as a Panasonic Toughbook U1 Tablet, an iPad, or a Smart Phone for fast metadata input. Further, when used in conjunction with the AJ-YDX30 Proxy board, this allows for remote viewing of proxy video. Wireless LAN support also allows for access to HPX3100 info like P2 card space, battery life, settings, and so on.

* both available April 2011



10. Does the HPX3100 offer imaging enhancement features?

Yes. The HPX3100 offers several gamma settings, including FilmRec 600%, which helps the camera to capture increased dynamic range. Until now, Film-Rec 600% has been only available in the P2 VariCam 2700/3700 models. Other features include Dynamic Range Stretch (DRS), which reduces blocked shadows and blown highlights in scenes where bright and dark objects coexist, as well as Chromatic Aberration Compensation (CAC), which compensates for the aberrations found in some lenses. For a list of CAC compatible lenses, please visit https://eww.pavc.panasonic.co.jp/pro-av/support/cs/csregistp2m/ep2main/cac_note_e.htm

11. Does the HPX3100 offer any ENG (electronic news gathering) features?

Yes. One great ENG feature is One-Clip Record. This mode records up to 99 consecutive recording start and stops as a single clip, which can help the NLE workflow on large projects. Other features include an HD Input (standard) for pool-feed recording. Even better, the HPX3100 offers Digital Zoom and Digital Super Gain.

12. What is the Sensitivity and Video S/N ratio?

The HPX3100 has a high sensitivity of F11 at 2,000 lux in 1080i, and an S/N ratio of 59 dB (with Digital Noise Reduction turned On / 54 dB with Digital Noise Reduction turned Off).

13. What about compatibility for current accessories?

Yes. The HPX3100 works with the AJ-RC10 / EC-4 controllers, AJ-CVF100 color viewfinder, AJ-HVF21G B/W viewfinder, AJ-GPS910 GPS Encoder and our Camcorder Studio System. For more information, please visit <http://catalog2.panasonic.com/webapp/wcs/stores/servlet/ModelList?storeId=11201&catalogId=13051&catGroupId=143523>

14. What is the new AJ-HVF21KG view finder?

This viewfinder is priced the same as our existing AJ-HVF21G viewfinder but is black as opposed to the current gray.

15. Does HPX3100 support the AJ-YAX800G P2 proxy card?

No. The HPX3100 uses the new, optional AJ-YDX30 proxy card.

16. Power consumption?

34 Watts, which is 23% less than the AJ-HPX3000.

17. How much does the HPX3100 weigh?

The HPX3100 is lightweight at only 8.6 lbs (without accessories).

18. How many P2 card slots does the HPX3100 offer?

Two.

19. Does the HPX3100 offer a 5-year limited "warranty?"

Yes. Customer must register their camera online (per instructions that ship with the camera) to be eligible for the four additional years of warranty coverage.

20. Does the HPX3100 offer Variable frame rates, 23.98/24.00PSF I/O's or Dual-link RGB 4:4:4 output?

No. These production oriented features can be found in the P2 Varicam AJ-HPX3700.

