

## PRESS RELEASE

### Sony introduces the new PXW-X500 XDCAM shoulder camcorder with 2/3-inch CCD sensors, for capture of stunning, low-noise images across multiple recording formats

*Sony also announces new PMW-RX500 XDCAM portable recorder and software upgrade for existing XDCAM product range to support efficient on-site shooting*



**August 25, 2014**

**25 August 2014:** Sony has today introduced the [PXW-X500](#), a solid-state memory XDCAM camcorder that combines sensitivity of picture capture with a proven, comfortable ergonomic design and support for a wide variety of recording formats. The PXW-X500 delivers superior picture quality thanks to its unique three-chip 2/3-inch type new CCD image sensors, serving to remove issues associated with motion artifact and rolling shutters. The camcorder, which succeeds its well-received predecessor, the [PMW-500](#), is ideally purposed as an outstanding acquisition tool on a 1080 progressive platform for a broad range of HD production applications, such as ENG, sports productions, live productions and documentaries.

#### **Key features of the PXW-X500 XDCAM shoulder camcorder**

- **High sensitivity and high signal-to-noise ratio with B4-mount HD lenses.** Three newly-developed 2/3-inch-type Power HAD™ FX CCDs produce high-quality pictures with high signal-to-noise ratios (60dB), while maintaining the high sensitivity levels (F11 at 1080/59.94i and F12 at 1080/50i) that the XDCAM range is best known for.
- **Multi-format recording for versatility of workflow approaches.** The PXW-X500 offers a wide array of traditional and new recording formats, including SD formats such as MPEG IMX and DVCAM, HD formats such as MPEG-4 SStP and MPEG HD422,

plus XAVC Intra 4:2:2 1080 59.94/50i and XAVC Long 4:2:2 1080 59.94/50p. In early 2015, the PXW-X500 will also support Apple ProRes<sup>i</sup> and Avid® DNxHD<sup>®ii</sup> as further options.

- **Powerful Slow & Quick motion up to 120p frame rate.** The PXW-X500 offers a powerful ‘Slow & Quick Motion’ function. By utilising the XAVC codec, the X500 can record at a maximum frame rate of 1080/120p, which is a slow motion effect five times higher than the industry standard frame rate of 23.98p<sup>iii</sup>. The newly developed CCD image sensors and the camcorder’s outstanding image processing abilities enable this spectacular performance.
- **Unique built-in wireless module supports seamless file transfer and remote operation, helping broadcasters be ‘first to air’.** The PXW-X500 can be operated remotely from compatible Wi-Fi devices such as tablets and smartphones, via a supplied IFU-WLM3 USB wireless LAN module. Proxy video files can be created onto SD cards in four different proxy XAVC settings to help users adapt to field constraints, while proxy file transfer and hi-res file transfer are also possible across Wi-Fi or Long Term Evolution (LTE) networks.
- **Future upgrade to enable remote live streaming functionality.** By upcoming upgrade in early 2015, the X500 will also offer live streaming of proxy content over Wi-Fi or LTE<sup>iv</sup>. The streaming function will also become available for Sony’s [PXW-X180](#) XDCAM handheld solid-state memory camcorder that was launched to the market in August 2014<sup>v</sup>, and will be compatible with the [CBK-WA100](#) and [CBK-WA101](#) adapters, which allow XAVC proxy files to be created and saved on an SD card housed within the adapter.
- **Other key features of the PXW-X500:**
  - Compatible with a direct two channel slot-in portable digital wireless receiver, available as part of the [Sony DWX Series](#), providing superb digital audio quality and full digital workflow with the XDCAM range
  - Pool-feed input with 3G/HD/SD-SDI
  - Simultaneous recording onto two SxS cards
  - Flexible camera system operation with [CA-FB70](#) or [CA-TX70](#) camera adapters
  - GPS functionality records GPS data in an MXF file and a log file automatically, when activated<sup>vi</sup>

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<sup>i</sup> An optional PXWK-501 Codec Option key is required to support ProRes. Planned to be available in early 2015

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<sup>ii</sup> An optional PXWK-502 Codec Option key is required to support DNxHD. Planned to be available in early 2015

<sup>iii</sup> An optional PXWK-503 key is required for Slow & Quick Motion recording at 120p in the XAVC format. Available in October, 2014

<sup>iv</sup> This function will be available through a free software version upgrade. Planned to be available in early 2015

<sup>v</sup> This function will be available through a free software version upgrade. Planned to be available in early 2015

<sup>vi</sup> This function is available for recording in XAVC formats. Other HD formats will be supported in future