



Press Release

Sony Introduces New 4K and Full HD Action Cams



Action Cam FDR-X1000V

Hong Kong, Mar 20, 2015 – Sony today introduced its most powerful POV camera to date, the 4K Action Cam FDR-X1000V. The new Action Cam applies Sony's vast expertise in 4K video production to a compact, splash-proof POV camera design, allowing adventurers to capture stunning 4K content (3,840 x 2,160 @ 25p 100Mbps¹/60Mbps) with ease, which can then be played back on a compatible 4K TV directly from the camera via a HDMI cable. It also features enhanced HD video performance with upgraded video stabilisation, video quality and high-frame rate shooting.

The FDR-X1000V features a ZEISS Tessar® lens with an ultra-wide angle 170 degree² field of view, a back-illuminated Exmor R™ CMOS sensor and the acclaimed BIONZ X™ processor, ensuring that video quality remains consistently strong across all shooting environments.

Additionally, the new camera borrows the acclaimed full pixel readout technology from other high-end Sony cameras, including the popular α7S. This allows the camera to read and process data from all of the sensor's pixels to create exceptionally smooth, highly-detailed 4K and HD videos in a variety of formats including MP4 and the high data stream XAVC S codec.

Upgraded HD Video, Stabilisation, Control and Sound

The versatile new FDR-X1000V features an updated version of Action Cam's leading SteadyShot™ stabilisation³ technology, adding electronic image stabilisation that is approximately three times more effective at suppressing high-frequency motor vibration. This allows users to

¹ Requires Micro SDXC UHS-I Class 3 (U3) Memory Card.

² When SteadyShot™ is set to OFF.

³ 4K shooting mode not supported.

capture clear, vibration-free aerial footage using “drones” and enhances action footage of fast-moving subjects.

The camera can also shoot HD video footage at extremely high frame rates of 100p in Full HD and 200p in standard HD for impressive slow-motion footage, and has clean HDMI output for recording to an external device. On the audio front, the new Action Cam adds wind noise reduction that minimises wind interference with the stereo microphone, ensuring the best possible sound experience.

For the more advanced user, there is an expanded scope of manual controls and setting adjustments including white balance, and auto exposure shifting. Loop recording is also available, allowing users to maximise usage of available memory card space to ensure they get the exact shot they are looking for. The camera also features live streaming capabilities through the USTREAM™ platform⁴, still image burst shooting, Motion Shot LE and a variety of other fun, interactive features.



Action Cam HDR-AS200V

New HD Action Cam AS200V with Enhanced Image Quality

In addition to the new 4K model, Sony has also introduced the sleek Action Cam HDR-AS200V, which shares many of the same advanced features and exciting technologies as the X1000V including full pixel readout image, improved image stabilisation, clean HDMI output and upgraded manual controls. The AS200V can shoot full 1,080p HD/50Mbps video⁵ at 50p, 720p HD video at 100p and WVGA video at 200p.

“Highlight Movie Maker” in Action Cam

New to the X1000V and AS200V Action Cams, “Highlight Movie Maker” is a convenient function that automatically produces a short, edited highlight MP4 video of a recording session⁶ – complete with custom background music – for instant sharing. The new technology uses an algorithm to analyse footage during recording, earmarking action shots, scene changes and other key moments

⁴ Requires a Wi-Fi router or smartphone capable of tethering.

⁵ Requires Micro SDXC (Class 10) or higher.

⁶ Requires PlayMemories Mobile™ ver. 5.2 (planned to be released in spring 2015) or later.

and combining them into a shortened video clip that is saved separately and available immediately for sharing.



Multiple Camera Control function available on PlayMemories Mobile™

New Live View Remote RM-LVR2

Sony's new RM-LVR2 live view LCD remote is waterproof up to 3m (approx. 10ft) and is extremely useful in checking the framing prior to shooting. It features extensive control over the X1000V and AS200V Action Cams, including start/stop recording, movie playback (without sound) and deletion of unwanted files. Users can also utilise Sony's [PlayMemories Mobile™](#) application – available for both Android and iOS – to control the new Action Cam with a smart device via Wi-Fi. Multiple cameras of different models can be controlled simultaneously using either the Live View Remote or the PlayMemories Mobile™ application⁷ on a connected smart device.

Built-in GPS and Action Cam Movie Creator

The X1000V and AS200V cameras are also equipped with built-in GPS, allowing users to utilise the provided Action Cam Movie Creator software to produce custom videos with GPS Data Overlay. The software can also be used to merge multiple video files together and to add custom background music⁸ to content as desired.

Coming Soon – Official Action Cam App

Sony will be releasing a new mobile application that offers customers a simple approach to pro-level video editing. The official 'Action Cam App' will be available for download on both Android and iOS platforms in Spring 2015.

New Action Cam Accessories

There are also a variety of new accessories for the expanding Action Cam lineup, including the Helmet Side Mount VCT-HSM1 which easily adjust angles for better shooting angles, and the Board Mount VCT-BDM1 that adheres safely and securely to a snowboard or surfboard.

⁷ Requires PlayMemories Mobile™ ver. 5.2 (planned to be released in spring 2015) or later.

⁸ Requires Action Cam Movie Creator ver. 4.2.00 or later.

Exclusively for the X1000V, the Waterproof Case⁹ SPK-X1 keeps the Action Cam water-tight to depths of 10m (approx. 33ft), while adding the dive door AKA-DDX1¹⁰ lets X1000V focus underwater at depths down to 60m (approx. 197ft).

Order Now

From March 20 to April 5, 2015, the new 4K Action Cam FDR-X1000V and full HD Action Cam HDR-AS200V will be available for pre-ordering at all Sony Stores, Sony Store online (www.sony.com.hk/store) and Sony sales hotline at (852) 2345-2966. Details are as follows:

Models	Prices	Pre-ordering Gift
FDR-X1000V	\$3,980	Rechargeable Battery NP-BX1(worth \$290)
FDR-X1000VR+ Live-View Remote	\$4,780	
HDR-AS200V	\$2,680	
HDR-AS200VR+ Live-View Remote	\$3,480	
HDR-AS200VT+ Live-View Remote + Clip Head Mount+ Backpack Mount	\$4,180	
HDR-AS200VB+ Live-View Remote+ Roll Bar Mount+ Vented Helmet Mount	\$3,880	
Customers purchasing the FDR-X1000V & HDR-AS200V or any package can enjoy special offer on the below Action Cam accessories: +\$179 BLT-CHM1 Clip Head Mount (original price \$229) +\$189 BLT-UHM1 Universal Head Mount (original price \$239) +\$199 VCT-BPM1 Backpack Mount (original price \$259) +\$209 AKA-DM1 Dog Harness (original price \$269) +\$289 VCT-AMP1 Action Monopod (original price \$360)		

The Action Cam accessories are available as follows:

Model Name	Price
Dive Door for FDR-X1000V AKA-DDX1	\$199
Live-View Remote RM-LVR2 (No GPS)	\$990
Waterproof Case for FDR-X1000V (10m) SPK-X1	\$359
Board Mount VCT-BDM1	\$199
Camera Shoe Mount VCT-CSM1	\$129
Helmet Side Mount VCT-HSM1	\$159

Please click [here](#) to follow the latest Sony Action Cam news and exciting content.

For customer enquiries, please contact Sony hotline service at (852) 2345-2966.

⁹ Same as supplied. Suitable for waterfront activity but not suitable for underwater activity as it does not support focus underwater.
¹⁰ Required to be used together with the SPK-X1 Waterproof Case.

About Hong Kong Marketing Company

Hong Kong Marketing Company (HKMC), a division of Sony Corporation of Hong Kong Limited, provides sales, marketing and after sales services for Sony's consumer electronics products as well as broadcast and professional products in Hong Kong and Macau. For more information on Sony's products and services, please visit our website at <http://www.sony.com.hk>.

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Product specifications of Sony 4K Action Cam FDR-X1000V & Full HD Action Cam HDR-AS200V:

Model	FDR-X1000V	HDR-AS200V
Camera Type	Digital 4K Video Camera Recorder	Digital HD Video Camera Recorder
Image Sensor	1/2.3 type(7.81mm) back-illuminated "Exmor R" CMOS Sensor	
Processor	BIONZ X image processor	
Pixel Gross	approx.12.8 Megapixels	
Lens Type	ZEISS Tessar	
Aperture	F2.8	
FOV	170° (without SteadyShot) ,120°	
Focal Length(35mm equivalent)(Movie)	f=17.1mm(170°), f=21.8mm(120°)	
Minimum Focus Distance	approx. 50cm	approx.30cm
Effective Picture Resolution(movie)	approx.8.8 Megapixels(16:9)	
Effective Picture Resolution(still)	approx.8.8 Megapixels(16:9)	
Still Image Size(Photo Mode)	PHOTO Mode: approx.8.8 Megapixels 16:9 (3952x2224) Interval Photo Recording Mode approx.2.1 Megapixels 16:9 (1920x1080) Motion Shot LE Photo Recording Mode approx.2.2 Megapixels 16:9 (1984x1120)	
Media Type	MP4: Memory Stick Micro™ (Mark 2) Micro SD/SDHC/SDXC Memory Card(Class 4 or Higher) XAVC S: (50Mbps)Micro SDXC Memory Card(Class10 or Higher) (60Mbps)Micro SDXC Memory Card(Class10 or Higher) (100Mbps)Micro SDXC Memory Card(UHS-I U3 or Higher)	MP4: Memory Stick Micro™ (Mark 2) Micro SD/SDHC/SDXC Memory Card(Class 4 or Higher) XAVC S: (50Mbps)Micro SDXC Memory Card(Class10 or Higher)
Maximum Capacity of External Media	64GB	
Video Format	MP4: MPEG-4 AVC/H.264 XAVC S format: MPEG-4 AVC/H.264	
Video Mode(Resolution)	MP4: PS:1920x1080 60p/50p, HQ:1920x1080 30p/25p, STD:1280x720 30p/25p, HS120(HS100):1280x720	MP4: PS:1920x1080 60p/50p, HQ:1920x1080 30p/25p, STD:1280x720 30p/25p, HS120(HS100):1280x720

	<p>120p/100p HS240(HS200):800x480 240p/200p XAVC S 4K: 30p:3840x2160 30p/25p 24p:3840x2160 24p XAVC S HD: 120p:1920x1080 120p/100p 240p:1280x720 240p/200p 60p:1920x1080 60p/50p 30p:1920x1080 30p/25p 24p:1920x1080 24p</p>	<p>120p/100p HS240(HS200):800x480 240p/200p XAVC S: 60p:1920x1080 60p/50p 30p:1920x1080 30p/25p 24p:1920x1080 24p</p>
<p>Movie Recording Rate(Average Bit Rate/VBR)</p>	<p>MP4: PS:approx.28Mbps/ HQ:approx.16Mbps/ STD:approx.6Mbps/ HS120:approx.28Mbps/ HS240:approx.28Mbps XAVC S 4K 3840x2160 30p/25p/24p: approx.60Mbps/approx.100Mbps XAVC S HD 1920x1080 120p/100p: approx.60Mbps/approx.100Mbps 1280x720 240p/200p: approx.60Mbps/approx.100Mbps 1920x1080 60p/50p: approx.50Mbps 1920x1080 30p/25p/24p: approx.50Mbps</p>	<p>MP4: PS:approx.28Mbps/ HQ:approx.16Mbps/ STD:approx.6Mbps/ HS120:approx.28Mbps/ HS240:approx.28Mbps XAVC S 60p/30p/24p approx.50Mbps 50p/25p approx.50Mbps</p>
<p>Audio Format</p>	<p>MP4/MPEG-4 AAC-LC 2ch XAVC S/LPCM 2ch Built-in Microphone Monaural Speaker</p>	
<p>Wind noise reduction</p>	<p>Yes(Off/On)</p>	
<p>Exposure System</p>	<p>Metering Modes: Multi-segment Exposure Compensation: AE Shift Exposure Settings: Auto Scene Mode(s): Auto/Underwater Backlight Compensation: Yes(Auto) Noise Reduction: Yes White Balance Mode: AUTO/Color Temp/Custom Minimum Illumination: 6 lux(1/30 Shutter Speed)</p>	
<p>Video Playback Options</p>	<p>Highlight Movie Maker</p>	
<p>Live-View Remote</p>	<p>Yes(up to 5 cameras)</p>	

Wi-Fi(built-in)	Yes	
NFC	One-touch remote	
Live Streaming	Yes	
Interval Recording	Yes(photo) (1s/2s/5s/10s/30s/60s)	
Burst Shooting	(10fps/5fps/2fps)	
Motion Shot LE	(10fps/5fps/2fps)	
Loop Recording	Yes	
Advanced Features	Color Setting: (Vivid/Neutral) Embedded GPS: Yes Image Stabilization: Electronic SteadyShot image stabilization w/ Active mode Water Proof: Yes(In use with Waterproof Case ((SPK-X1)) Splash Proof: (Equivalent to IPX4) Dust: Yes(In use with Waterproof Case ((SPK-X1)) Shockproof: Yes(In use with Waterproof Case ((SPK-X1))	Color Setting: (Vivid/Neutral) Embedded GPS: Yes Image Stabilization: Electronic SteadyShot image stabilization w/ Active mode Water Proof: Yes(In use with Waterproof Case (SPK-AS2)) Splash Proof: (Equivalent to IPX4) Dust: Yes(In use with Waterproof Case (SPK-AS2)) Shockproof: Yes(In use with Waterproof Case (SPK-AS2))
Interface	Multi/Micro USB Terminal Microphone Input: Stereo Minijack HDMI Terminal: HDMI micro	
Dimensions	approx.24.4mm x 51.7mm x 88.9mm	approx.24.2mm x 46.5mm x 81.5mm
Weight(approx) (Main unit only)	approx.89g	approx.68g
Battery Type	NP-BX1	
Supplied Accessories	Rechargeable Battery Pack(NP-BX1) (1) micro USB Cable (1) "Startup Guide"(1) Waterproof Case(SPK-X1)(1) Adhesive Mount(VCT-AM1)(1)	Rechargeable Battery Pack(NP-BX1) (1) micro USB Cable (1) "Startup Guide"(1) Waterproof Case(SPK-AS2)(1) Adhesive Mount(VCT-AM1)(1) Tripod Adapter(1)