SONY

FDR-X3000R **NEU** HDR-AS200VR
FDR-X1000VR HDR-AS50

Action Cam
Product Guide 2016/2017

Action Cam

The Power of Imaging

Show your proof of achievement

Test your mettle. Record your feats. Prove yourself to the world. Use Sony's compact high-quality imagination to capture every thrilling detail of your experience. Discover post-shooting excitement, and share amazing first-person videos. That's real. That's proof.

Shoot your view. Show the world.

Action Cam POV cameras capture the best times of your life.

Attach easily.

Shoot freely.

Share casually.

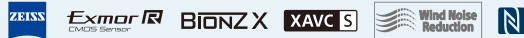|	Unrivalled 4K image stabilisation	High-performance 4K model — 4K high-precision image enjoyment	High-versatility HD model — Featuring diverse handy features and high-quality images	Casual-use model — Enabling you to shoot unique POV movies with ease
	NEW FDR-X3000R	**FDR-X1000VR**	**HDR-AS200VR**	**HDR-AS50**
Resolution	**4K** 3840 x 2160 pixels / **Full HD** 1080	**4K** 3840 x 2160 pixels / **Full HD** 1080	**Full HD** 1080	**Full HD** 1080
Image stabilisation	Balanced Optical SteadyShot™	SteadyShot™	SteadyShot	SteadyShot
Number of effective pixels (approx.)	8.2M (16:9)	8.8M (16:9)	8.8M (16:9)	11.1M (16:9)
Splashproof body	✓	✓	✓	–
Toughness	60m waterproof*1 Dustproof*1 Shockproof to 1.5m*1 Freezeproof to -10°C	10m waterproof / dustproof / shockproof to 1.5m / freezeproof to -10°C (with supplied Waterproof Case)	5m waterproof / dustproof / shockproof to 1.5m / freezeproof to -10°C (with supplied Waterproof Case)	60m waterproof / dustproof / shockproof to 1.5m / freezeproof to -10°C (with supplied Underwater Housing)
Underwater shooting	✓	✓ When using optional Dive Door AKA-DDX1K	✓ When using optional Underwater Housing MPK-AS3	When using supplied Underwater Housing
GPS	✓	✓	✓	–
Dimensions (W x H x D) (approx.)	29.4 x 47.0 x 83.0 mm, 1 3/16 x 1 7/8 x 3 3/8 inch	24.4 x 51.7 x 88.9 mm, 31/32 x 2 1/8 x 3 1/2 inch	24.2 x 46.5 x 81.5 mm, 31/32 x 1 7/8 x 3 1.4 inch	24.2 x 47.0 x 83.0 mm, 31/32 x 1 7/8 x 3 3/8 inch
Weight (approx.) Main unit only	89g / 3.2 oz.	89g / 3.1 oz.	68g / 2.4 oz.	58g / 2.0 oz.
Weight (approx.) Including battery	114g / 4.1 oz.	114g / 4.0 oz.	93g / 3.3 oz.	83g / 2.9 oz.
Continuous recording time (with fully charged battery)	4K 50 min / Full HD 125 min	4K 50 min / Full HD 115 min	Full HD 115 min	Full HD 165 min

*1: With supplied Underwater Housing. *2: When Action Cam's Wi-Fi is ON and the camera is not connected with Live-View Remote or a smartphone. Continuous recording time may be shorter depending on usage and environmental conditions.

Significant stable 4K Action Cam. Overwhelming high quality from sports to travel movies.

NEW

FDR-X3000R

4K 3840 x 2160 pixels   **Full HD 1080**

ZEISS   Exmor R CMOS Sensor   BIONZ X   XAVC S   Wind Noise Reduction   N

WiFi CERTIFIED   GPS   Bluetooth SMART

Splashproof	Waterproof* 60m	Dustproof*	Shockproof* 1.5m	Freezeproof -10℃	Multi Camera Control	Stereo Mic

* Only when used with Underwater Housing MPK-UWH1 (supplied)

| Balanced Optical SteadyShot | 12.0M Still Image Recording | 4K* Time-lapse Capture | High Bitrate Recording (4K 100Mbps/Full HD 50Mbps) | Full pixel readout without pixel binning | High Speed REC (Full HD 120p/HD240p) | Manual Setting (WB/AE shifting) | Color Setting | Time Code/User Bit | Live Streaming |

* 3840 x 2160 pixels

Notes: Distortion in image quality or out-of-focus may occur when used in close proximity to vibrating motors and engines.

Balanced Optical SteadyShot (B.O.SS)

For the first time this renown feature from Sony's Handycam lineup is available in an action cam. Now you can shoot amazingly stable action movies in 4K.

New 4K Image Sensor

The new Exmor R CMOS sensor is developed specially for 4K movie shooting, and it has a larger pixel size compared to its predecessor.

New Zeiss Tessar Lens

The new Zeiss Tessar lens has less distortion on the peripheral, giving a more natural image.

New Live-View Remote RM-LVR3*

Thanks to its versatile design, new Live-View Remote (RM-LVR3)* can be attached to various accessories such as Shooting Grip (VCT-STG1) and Handlebar Mount (VCT-HM2) using supplied mount adaptor, or worn as a wristband using supplied belt.

* Supplied as part of Live-View Remote kit.
  Not sold separately.

What's in the box

FDR-X3000R Live-View Remote Kit
• Live-View Remote (RM-LVR3)
   -Belt
   -Mount Adaptor
   -Cradle
• Rechargeable Battery Pack (NP-BX1)
• Underwater Housing (MPK-UWH1)
• Attachment Buckle
• Micro USB Cable

4K Ultra HD POV action movies.
Bold, beautiful realism and clarity.

4K 3840 x 2160 pixels

Full HD 1080

FDR-X1000VR

ZEISS | Exmor R CMOS Sensor | BIONZ X | XAVC S | Wind Noise Reduction | N | WiFi CERTIFIED | GPS

| Splashproof | Waterproof*1*2 (10m) | Dustproof*2 | Shockproof*2 (1.5m) | Freezeproof (-10℃) | Multi Camera Control | Stereo Mic |

*1 Not suitable for focus underwater. Requires optional Dive Door AKA-DDX1K for shooting underwater.
*2 Only when used with Waterproof Case SPK-X1 (supplied)

| SteadyShot*1 | High Bitrate Recording | Full pixel readout without pixel blnning | High Speed REC | 170° Ultra Wide Angle*2 | 8.8 Still Image Recording | Manual Setting (WB/AE shifting) | Color Setting | Loop Recording | Live Streaming | Motion Shot LE | Burst Shooting | Time Code | Interval Photo Recording |

*1 Not supported at 4K *2 When SteadyShot is OFF

4K Ultra HD POV

Transform your quest for action into ultra-realistic movie imagination. FDR-X1000VR Action Cam turns POV shooting into vividly true-to-life Sony 4K Ultra HD adventure. It unites accumulated 4K Handycam® innovation with extraordinary image depiction optimised for active shooting. Now make exhilarating movies with the unrivalled realism of 4K Ultra HD artistry from Action Cam alone.

Waterproof

Supplied Waterproof Case* enables you to enjoy waterfront activities with your Action Cam FDR-X1000VR. And, with optional AKA-DDX1K Dive Door accessory, you can shoot 4K movies under water.

Up to
60m

* Not suitable for focus underwater. Requires optional Dive Door AKA-DDX1K for shooting underwater.

Full pixel readout without pixel binning

Capture active scenes with high-precision, true-to-life resolution and colour. FDR-X1000VR supplies full pixel readout without pixel binning. This system delivers improved image resolution with reduced jaggies and false colour for outstanding higher-quality movies.
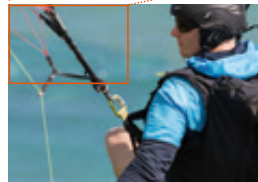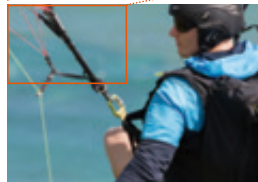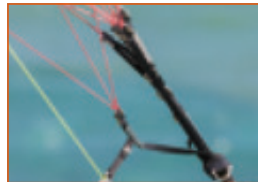
Conventional model   FDR-X1000VR

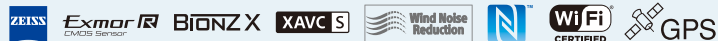## What's in the box

FDR-X1000VR Live-View Remote Kit
• Live-View Remote (RM-LVR2)
• Rechargeable Battery Pack (NP-BX1)
• Waterproof Case (SPK-X1)
• Adhesive Mount
• Micro USB Cable

Super movie-making freedom.
Super HD excitement.

Full HD 1080

HDR-AS200VR

ZEISS **Exmor R** CMOS Sensor **BIONZ X** **XAVC S** Wind Noise Reduction N **WiFi CERTIFIED** GPS

Splashproof	Waterproof*1*2	Dustproof*2	Shockproof*2	Freezeproof	Multi Camera Control	Stereo Mic
	5m		1.5m	-10℃		

*1 Not suitable for focus underwater. Requires optional Underwater Housing MPK-AS3 for shooting underwater.
*2 Only when used with Waterproof Case SPK-AS2 (supplied)

| SteadyShot | High Bitrate Recording | Full pixel readout without pixel binning | High Speed REC | 170° Ultra Wide Angle* | 8.8 Still Image Recording | Manual Setting (WB/AE shifting) | Color Setting | Loop Recording | Live Streaming | Motion Shot LE | Burst Shooting | Time Code | Interval Photo Recording |

* When SteadyShot is OFF

SteadyShot beats bumps and blur

Shoot stable images easily while moving around. The unique system effectively suppresses shake and vibration while hiking or riding a bike. This enhanced version allows you to shoot stabilised POV movies for various sports and activities.

OFF

ON

Waterproof

Supplied Waterproof Case* enables you to enjoy waterfront activities with your Action Cam HDR-AS200VR. And, with optional MPK-AS3 Underwater Housing accessory, you can shoot beautiful Full HD underwater diving movies.

Up to
60m

* Not suitable for focus underwater. Requires optional
  Underwater Housing MPK-AS3 for shooting underwater.

Full pixel readout without pixel binning

Capture active scenes with high-precision, true-to-life resolution and colour. HDR-AS200VR supplies full pixel readout without pixel binning. This system delivers improved image resolution with reduced jaggies and false colour for outstanding higher-quality movies.

Conventional model

HDR-AS200VR

What's in the box

HDR-AS200VR Live-View Remote Kit
• Live-View Remote (RM-LVR2)
• Rechargeable Battery Pack (NP-BX1)
• Waterproof Case (SPK-AS2)
• Adhesive Mount
• Micro USB Cable
• Tripod Adaptor*

* Attach the supplied tripod adaptor directly to the camera body to
  connect other accessories.

Go and play! Longer battery life for sports, travel, and daily fun.
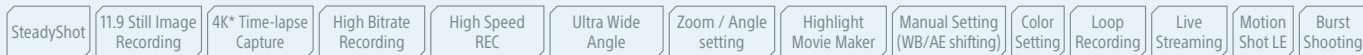
Full HD 1080

HDR-AS50 (camera only)

ZEISS | Exmor R CMOS Sensor | BIONZ X | XAVC S | Wind Noise Reduction | WiFi CERTIFIED | Bluetooth SMART

| 60m Waterproof* | Dustproof* | 1.5m Shockproof* | -10℃ Freezeproof* | Multi Camera Control | Stereo Mic |

* Only when used with Underwater Housing MPK-UWH1 (supplied)

Up to 60m

Waterproof

Take Action Cam diving to 60m/179ft. depth using supplied Underwater Housing — no need to buy optional gear. Equipped with a flat panel, this housing lets you shoot beautiful underwater movies.

| SteadyShot | 11.9 Still Image Recording | 4K* Time-lapse Capture | High Bitrate Recording | High Speed REC | Ultra Wide Angle | Zoom / Angle setting | Highlight Movie Maker | Manual Setting (WB/AE shifting) | Color Setting | Loop Recording | Live Streaming | Motion Shot LE | Burst Shooting |

* 3840 × 2160 pixels

Sharp, shake-free action every time

What's in the box

HDR-AS50
- Rechargeable Battery Pack (NP-BX1)
- Underwater Housing (MPK-UWH1)
- Attachment Buckle
- Micro USB Cable

Adjustable field of view and zoom freedom

Select "Wide"[1] or "Narrow" angle for your field of view, and adjust settings via zoom during shooting. Bring star quality to dramatic footage of athletes and moviemakers.

WIDE

Choose "Narrow" field of view or select "Wide"[3] for panorama.

Zoom changes via smartphone using PlayMemories™ Mobile app.

Full control

Take full control including turning the camera on/off to save battery power. PlayMemories Mobile* also controls your Action Cam.

PlayMemories Mobile

* PlayMemories Mobile ver. 5.5 or later is required. Camera on/off control requires Bluetooth 4.0 compatible smartphone or tablet (iPhone/iPad or Android ver. 5.0 or later).
[1] When SteadyShot is OFF.

Remote Control with Live-View Remote

Simple intuitive remote control of Action Cam

Take full control of shooting settings and turning the camera on/off to save battery power with Live-View Remote. UI and button place-ment on Live-View Remote are in common with that on Action Cam unit, allowing intuitive operation.

Waterproof for waterfront fun

Thanks to waterproofing*, you can shoot in the rain, in snow, and during watersports like surfing and kayaking.

* Wi-Fi and Bluetooth features do not function underwater. These may not withstand continuous sub-
  mersion or harsh environmental situations.

Notes: A proper Wi-Fi connection may not be established under some conditions, as when an obstacle is between the camera and designated mobile device, for example. In such cases, try to place the mobile device as close to the camera as possible, so that their Wi-Fi connection will not be affected by other Wi-Fi equipment.

Control up to 5 cameras simultaneously

Use the Live-View Remote to monitor and switch among up to five cameras with different angles.

More freedom with PlayMemories Mobile

PlayMemories Mobile

"One-touch" connection with Wi-Fi and NFC

FDR-X3000R

Just place Action Cam near your NFC-equipped smartphone. Thanks to the "One-touch Remote" feature, your smartphone can work as a remote controller for your camera, transferring Action Cam data easily to smartphone or tablet. Then, simply upload to social media or websites and share exciting action via Wi-Fi.

Multi Camera Control*

Take remote control of cameras simultaneously and individually with your smartphone or tablet.

Simultaneous operation
- Monitoring
- Shutter release
- Recording start/stop
- Movie/still switching

Individual operation
- Shutter release
- Recording start/stop
- Shooting and setting changes
- White balance change
- EV change
- Power on/off, etc.

* Wi-Fi tethering compatible smartphone or tablet is required.

Shoot active performance as stable high-quality movies.

Significant stable 4K* and slow-motion movies with Balanced Optical SteadyShot   FDR-X3000R

Newly available in the Action Cam lineup, Balanced Optical SteadyShot reliably compensates for strong camera shake caused by high-energy activities from sports to handheld shooting.

* Available with FDR-X3000R only
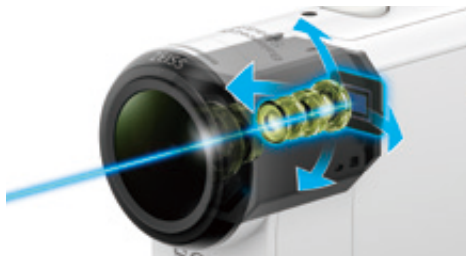
SteadyShot beats bumps and blur   HDR-AS50

Capture stable images easily while in motion. This image stabilising system suppresses shake and vibration during movie shooting.

High-bitrate shooting* XAVC S

Make ultra-high-precision action movies with a striking sense of vivid realism. Block noise is suppressed even when shooting scenes in motion.
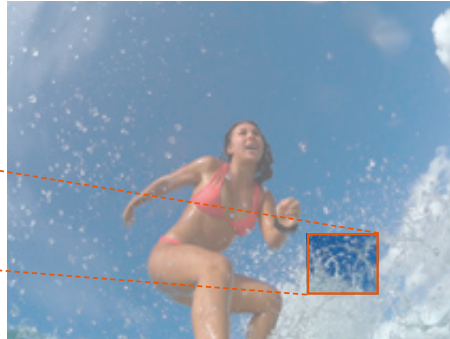
Low bitrate
Rough-textured image with block noise

High bitrate
Smooth and high quality image

* XAVC S format movie shooting requires SDHC/SDXC Memory Card (Class 10). 4K 100Mbps movie shooting requires SDHC/SDXC UHS-I Class 3 (U3) Memory Card.

Record lifelike sound*

Catch the real sound of adventure with built-in stereo mic, and cut distracting noise with Wind Noise Reduction.

* Recorded sound level is lower when using supplied Underwater Housing.

Wind Noise Reduction

SONY STEREO

# Key innovations for stunning high-quality images

ZEISS® Tessar lens

ZEISS® Tessar lens delivers high-quality images, high resolution, contrast, and colour reproduction. The lens surface has multilayer coating to suppress ghost and flare caused by diffused reflection of light.

ZEISS
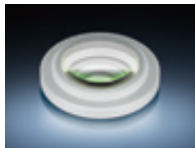
Image sensor

Easily shoot scenes at night and in dark places, with very subtle light. Experience stunning low-light performance due to the back-illuminated Exmor R™ CMOS sensor with more pixels.
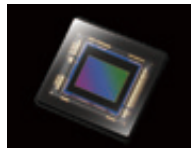
Exmor R CMOS Sensor

Image processing engine

Faithfully capture the texture and presence of what you see. Presently available Action Cam models feature BIONZ X™ image processor with fully renewed processing speed and quality.

BIONZ X

High Speed REC

Record every nuance of fast-moving action for beautiful smooth slow-motion footage*.

* Requires post-processing for slow-motion movie

Enjoy new adventures in shooting

4K Time-lapse Capture

4K Time-lapse Capture lets you shoot a series of high-resolution still images. Then Action Cam Movie Creator*[1] or Action Cam App*[2] allows you to simply transform these images into an impressive time-lapse movie.

*1: Action Cam Movie Creator ver 5.1(Windows)/3.1(Mac) or later is required.
*2: Action Cam App ver. 2.0 or later is required. It supports Full HD time-lapse movie only.

Capture	Edit	Export

Action Cam Movie Creator

4K
3840 x 2160 pixels

Action Cam App

Full HD
1080

Burst Shooting

High-quality still images can be continuously shot and you can catch defining moments of the moving subject.

Motion Shot LE

This feature records traces of a moving subject in one image to make one truly expressive photo of action scenes.

Highlight Movie Maker*

In-camera Highlight Movie Maker automatically selects points of footage, action scenes, and people's faces to create a short highlight movie, complete with background music. You can share your work immediately by smartphone.
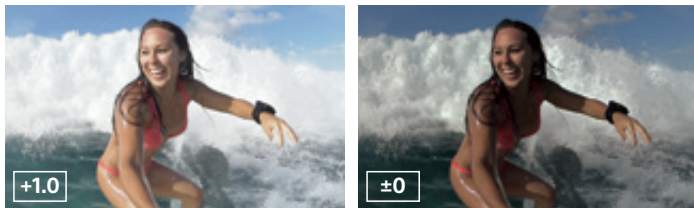
* Not available for XAVC S 4K, 24p, and High Speed REC.

Face   Action   Action   Scene change
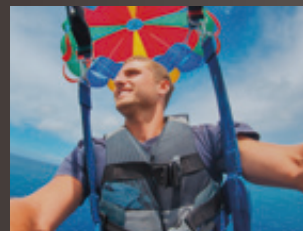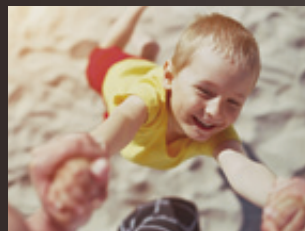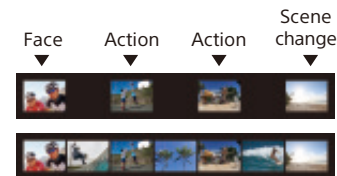
Shoot like a pro with manual settings and more

White balance and AE shifting

Explore sophisticated shooting features for pro-style movies.

Loop Recording

Focus on performance and pick different loop overwriting lengths (5, 20, 60, 120 minutes, and unlimited length) to show your progress.

Flexible angle adjustment

Select the angle of your preferred field of view, and seamlessly fine-tune zooming during shooting regardless of angle setting. You can use these features to shoot movies with your desired field of view.

Narrow
Medium
Wide

• Angle settings
  -Wide
  -Medium
  -Narrow
• Zoom mode

Underwater shooting

If you choose "Underwater" mode from the scene selection mode, footage shot under water is vivid.

Auto mode   Underwater mode

Camera body toughness

Splashproof

`FDR-X3000R`

Action Cam body supplies IPX4-class splashproof performance without Underwater Housing. Use your camera by itself, regardless of wet weather or puddles.

Freezeproof*

Action Cam body can endure low temperatures to -10°C (14°F). Use your camera for winter sports like skiing and snowboarding.

* HDR-AS50 requires Underwater Housing MPK-UWH1 (supplied).

With supplied Underwater Housing*

Waterproof

Take Action Cam diving to 60m/197ft. depth using supplied Underwater Housing. Equipped with a flat panel, this housing lets you shoot beautiful underwater movies.

Dustproof

Take on harsh, dry, dusty environments with supplied Underwater Housing. This seals out grit and dust for carefree camera use.

Shockproof

Don't worry about accidental knocks. Just use supplied Underwater Housing to keep your camera safe from small shocks.

* Recorded sound level is lower when using supplied Underwater Housing.

FOR BICYCLING

Roll Bar Mount
VCT-RBM2

Chest Mount Harness
AKA-CMH1

Handlebar Mount
VCT-HM2

Universal Head Mount Kit
BLT-UHM1

MC Protector
AKA-MCP1
FDR-X3000R

Hard Lens Protector
AKA-HLP1
HDR-AS50

NEW

Cap Clip
AKA-CAP1

Shooting Grip
VCT-STG1

Finger Grip
AKA-FGP1

NEW

Backpack Mount
VCT-BPM1

Suction Cup Mount
VCT-SCM1

Dog Harness
AKA-DM1

FOR TRAVEL & HOBBIES

FOR SKIING & SNOWBOARDING

Universal Head Mount Kit
BLT-UHM1

Action Monopod
VCT-AMP1

Wrist Mount Strap
AKA-WM1

MC Protector
AKA-MCP1
FDR-X3000R
NEW

Anti-Fog Sheet
AKA-AF1*

* Should be used together with Underwater Housing accessory.

Helmet Side Mount
VCT-HSM1

Extended Clamp
VCT-EXC1*

* Not suitable for mounting on
  moving objects.

Cap Clip
AKA-CAP1

Arm Kit
VCT-AMK1

MC Protector
AKA-MCP1
FDR-X3000R

NEW

Hard Lens Protector
AKA-HLP1
HDR-AS50

FOR
SKATEBOARDING

FOR DIVING & SNORKELLING

Wrist Mount Strap
AKA-WM1

Action Monopod
VCT-AMP1

Underwater Housing
MPK-UWH1

Anti-Fog Sheet
AKA-AF1*

Chest Mount Harness
AKA-CMH1

* Should be used together with Underwater Housing accessory.

Board Mount
VCT-BDM1

Universal Head Mount Kit
BLT-UHM1

Underwater Housing	Anti-Fog Sheet	Float	Camera Leash Pack
MPK-UWH1	**AKA-AF1***	**AKA-FL2**	**AKA-LSP1**

* Should be used together with Underwater Housing accessory.

FOR SURFING & KAYAKING

Housing/protector

	Underwater Housing MPK-UWH1	MC Protector [NEW] AKA-MCP1	Hard Lens Protector AKA-HLP1
Accessories for simultaneous use	Anti-Fog Sheet AKA-AF1 / Float AKA-FL2*¹	-	-
FDR-X3000R [NEW]	✓	✓	-
FDR-X1000V	✓	-	✓
AS200V	✓	-	✓
HDR-AS50	✓	-	✓

Handheld accessories

	Finger Grip [NEW] AKA-FGP1	Shooting Grip VCT-STG1	Action Monopod VCT-AMP1
Accessories for simultaneous use	Live View Remote RM-LVR3*²	Live View Remote RM-LVR2/RM-LVR3*²	-
FDR-X3000R [NEW]	✓	✓	✓
FDR-X1000V	-	✓	✓
AS200V	-	✓	✓
HDR-AS50	✓	✓	✓

Mount accessories (attached to tripod socket)

	Cap Clip AKA-CAP1	Roll Bar Mount VCT-RBM2	Extended Clamp VCT-EXC1	Handlebar Mount VCT-HM2	Camera Shoe Mount VCT-CSM1*³	Suction Cup Mount VCT-SCM1	Adhesive Mount VCT-AM1	Motor Vibration Absorber for X3000R [NEW] AKA-MVA
FDR-X3000R [NEW]	✓	✓ *⁵	✓	✓ *⁵	✓	✓	✓	✓ *⁴*⁵
FDR-X1000V	✓	✓	✓	✓	✓	✓	✓	-
AS200V	✓	✓	✓	✓	✓	✓	✓	-
HDR-AS50	✓	✓	✓	✓	✓	✓	✓	-

*1: Requires attachment buckle (supplied with camera). *2: Not sold separately. *3: Attached to compatible Handycam® which has Multi Interface Shoe and supports "Multi Camera Control" function.
*4: Should be used together with Handlebar Mount or Roll Bar Mount. *5: Distortion in image quality or out-of-focus may occur when FDR-X3000R or HDR-AS300 is used in close proximity to vibrating motors and engines.
   Image results can be improved by using Action Cam with optional accessory Motor Vibration Absorber for X3000R/AS300 (planned for sale in autumn 2016).

Mount accessories (featuring attachment buckle)

	Universal Head Mount Kit BLT-UHM1	Chest Mount Harness AKA-CMH1	Wrist Mount Strap AKA-WM1	Dog Harness AKA-DM1	Backpack Mount VCT-BPM1	Helmet Side Mount VCT-HSM1	Board Mount VCT-BDM1
FDR-X3000R **NEW**	✓	✓	✓	✓	✓	✓	✓
FDR-X1000V	✓	✓	✓	✓	✓	✓	✓
AS200V	✓	✓	✓	✓	✓	✓	✓
HDR-AS50	✓	✓	✓	✓	✓	✓	✓

Power/case/microphone accessories

	Rechargeable Battery Pack NP-BX1	Battery Charger BC-TRX	Accessory Kit ACC-TRBX	Accessory Kit (Travel DC charger kit) ACC-TRDCX	Accessory Kit (Car charger kit) ACC-DCBX	Semi-hard Carrying Case LCM-AKA1
FDR-X3000R **NEW**	✓	✓	✓	✓	✓	✓
FDR-X1000V	✓	✓	✓	✓	✓	✓
AS200V	✓	✓	✓	✓	✓	✓
HDR-AS50	✓	✓	✓	✓	✓	✓

Other accessories

	Camera Leash Pack AKA-LSP1	Arm Kit VCT-AMK1
FDR-X3000R **NEW**	✓	✓
FDR-X1000V	✓	✓
AS200V	✓	✓
HDR-AS50	✓	✓

Action Cam Movie Creator for more post-shooting fun

Use this free video editing software to create an impressive final cut. Do slow-motion/speed-up editing, overlay GPS data, merge videos on one screen, and more.

Free Download at www.sony.net/acmc
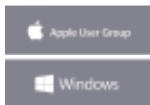
Supporting time-lapse movie production

You can produce time-lapse movies from a series of still pictures shot at designated intervals. This software also supports making 4K time-lapse movies.

GPS Data Overlay*

GPS Data Overlay* on Video reads your speed data recorded by built-in GPS* and generates another video file that displays your route, speed information, etc.

* Not available on HDR-AS50

Action Cam App for easy editing, playback, and sharing

Intuitive mobile app lets you "prove yourself" anytime anywhere — via easy video editing with time-lapse, slow motion/speed up, and wireless movie file transfer.

Edit on mobile

Transfer movie action. Amp up the excitement with effects. Slo-mo for drama, fast for laughs. Insert background music. Share!

Time-lapse movie production support

Produce time-lapse movies from a series of still pictures shot at designated intervals. This app lets you add panning and zooming effects and make Full HD movies for easy sharing.

Magazine

Action Cam tips right at hand help you capture your best POV shots.

Website

For information regarding software update and latest availability of accessories, please visit our website: http://www.sony.net/actioncam/

YouTube channnel

View thrilling real-life POV footage. Watch biking, skateboarding, and drones. See soaring eagles and river dolphins. Enjoy Sony's Never Before Seen films.
https://www.youtube.com/user/ActionCamfromSony

	NEW FDR-X3000R	FDR-X1000VR
Image Sensor		
Sensor Type	1/2.5 type (7.20mm) back-illuminated Exmor R CMOS Sensor	1/2.3 type (7.81mm) back-illuminated Exmor R CMOS Sensor
Number of Pixels (effective) — Video	Approx. 8.2 megapixels (16:9)	Video — Approx. 8.8 megapixels (16:9)
Number of Pixels (effective) — Still Image	Approx. 8.2 megapixels (16:9)	Still Image — Approx. 8.8 megapixels (16:9)
Lens		
Lens Type	ZEISS® Tessar	ZEISS® Tessar
F-number (maximum aperture)	F2.8	F2.8
Angle of View	Wide/Medium/Narrow (Note: 4K movie and High Speed Rec support only "Wide" angle of view.)	170° (SteadyShot OFF), 120° (SteadyShot ON)
Camera		
Processor type	BIONZ X image processor	BIONZ X image processor
Image Stabilisation	Balanced Optical SteadyShot Active mode	SteadyShot Active mode
Recording		
Recording Mode — MP4	PS: 1920 x 1080 60p/50p (28Mbps), HQ: 1920 x 1080 30p/25p (16Mbps), STD: 1280 x 720 30p/25p (6Mbps), HS120 (HS100): 1280 x 720 120p/100p (28Mbps), HS240 (HS200): 800 x 480 240p/200p (28Mbps)	MP4 — PS: 1920 x 1080 60p/50p (28Mbps), HQ: 1920 x 1080 30p/25p (16Mbps), STD: 1280 x 720 30p/25p (6Mbps), HS120 (HS100): 1280 x 720 120p/100p (28Mbps), HS240 (HS200): 800 x 480 240p/200p (28Mbps)
Recording Mode — XAVC S	3840 x 2160 30p/25p/24p (100Mbps/60Mbps), 1920 x 1080 120p/100p (100Mbps/60Mbps), 1280 x 720 240p/200p (100Mbps/60Mbps), 1920 x 1080 60p/50p/30p/25p/24p (50Mbps)	XAVC S — 3840 x 2160 30p/25p/24p (100Mbps/60Mbps), 1920 x 1080 120p/100p (100Mbps/60Mbps), 1280 x 720 240p/200p (100Mbps/60Mbps), 1920 x 1080 60p/50p/30p/25p/24p (50Mbps)
Compatible Recording Media — MP4	Micro SD/SDHC/SDXC Memory Card (Class 4 or higher), Memory Stick Micro™ (Mark 2)	MP4 — Micro SD/SDHC/SDXC Memory Card (Class 4 or higher), Memory Stick Micro™ (Mark 2)
Compatible Recording Media — XAVC S	4K 60Mbps / HD 50Mbps: Micro SDHC/SDXC Memory Card (Class 10 or higher),100Mbps: Micro SDHC/SDXC UHS-I U3 or higher	XAVC S — 50Mbps: Micro SDXC Memory Card (Class 10 or higher), 100Mbps: Micro SDXC UHS-I U3 or higher
Interface		
Input and Output Terminals	Multi/Micro USB terminal, Micro HDMI terminal, stereo minijack for microphone	Multi/Micro USB terminal, Micro HDMI terminal
Wi-Fi / Bluetooth Function / NFC	Yes / Yes / Yes (One-touch Remote)	Yes / - / Yes (One-touch Remote)
GPS	Yes	Yes
Power		
Battery Type	NP-BX1	NP-BX1
USB Charge / USB Power Supply	Yes	Yes
Others		
Dimensions (W x H x D) (approx.)	29.4 x 47.0 x 83.0 mm, 1 3/16 x 1 7/8 x 3 3/8 inch	24.4 x 51.7 x 88.9 mm, 31/32 x 2 1/8 x 3 1/2 inch
Weight (approx.) — Main unit only	89g / 3.2 oz.	Main unit only — 89g / 3.1 oz.
Weight (approx.) — Including battery	114g / 4.1 oz.	Including battery — 114g / 4.0 oz.

Recording Time (with fully charged battery)*1 (approx.)

NP-BX1	Continuous recording time — XAVC S: 3840 × 2160 30p 60Mbps (4K)	Continuous recording time — MP4: 1920 x 1080 30P (HQ)	Typical recording time — XAVC S: 3840 x 2160 30P 60Mbps (4K)	Typical recording time — MP4: 1920 x 1080 30P (HQ)	Continuous recording time — XAVC S: 3840 x 2160 30P (4K)	Continuous recording time — MP4: 1920 x 1080 30P (HQ)	Typical recording time — XAVC S: 3840 x 2160 30P (4K)	Typical recording time — MP4: 1920 x 1080 30P (HQ)
Camera's Wi-Fi is ON*2	50 min	125 min	40 min	80 min	50 min	115 min	30 min	70 min
Camera's Wi-Fi is OFF	60 min	135 min	45 min	85 min	50 min	125 min	30 min	75 min

*1: When shooting continuously under temperature of 25°C without use of supplied Underwater Housing. Recording time may be shorter depending on usage and environmental conditions.
*2: When the camera is not connected with Live-View Remote or a smartphone.

	HDR-AS200VR		HDR-AS50	
Image Sensor				
Sensor Type	1/2.3 type (7.81mm) back-illuminated Exmor R CMOS Sensor		1/2.3 type (7.77mm) back-illuminated Exmor R CMOS Sensor	
Number of Pixels (effective)	Video	Approx. 8.8 megapixels (16:9)	Video	Approx. 11.1 megapixels (16:9)
	Still Image	Approx. 8.8 megapixels (16:9)	Still Image	Approx. 11.1 megapixels (16:9)
Lens				
Lens Type	ZEISS® Tessar		ZEISS® Tessar	
F-number (maximum aperture)	F2.8		F2.8	
Angle of View	170° (SteadyShot OFF), 120° (SteadyShot ON)		Wide / Narrow	
Camera				
Processor type	BIONZ X image processor		BIONZ X image processor	
Image Stabilisation	SteadyShot Active mode		SteadyShot Active mode	
Recording				
Recording Mode	MP4	PS: 1920 x 1080 60p/50p (28Mbps), HQ: 1920 x 1080 30p/25p (16Mbps), STD: 1280 x 720 30p/25p (6Mbps), HS120 (HS100): 1280 x 720 120p/100p (28Mbps), HS240 (HS200): 800 x 480 240p/200p (28Mbps)	MP4	PS: 1920 x 1080 60p/50p (28Mbps), HQ: 1920 x 1080 30p/25p (16Mbps), STD: 1280 x 720 30p/25p (6Mbps), HS120 (HS100): 1280 x 720 120p/100p (28Mbps)
	XAVC S	1920 x 1080 60p/50p/30p/25p/24p (50Mbps)	XAVC S	1920 x 1080 60p/50p/30p/25p/24p (50Mbps)
Compatible Recording Media	MP4	Micro SD/SDHC/SDXC Memory Card (Class 4 or higher), Memory Stick Micro™ (Mark 2)	MP4	Micro SD/SDHC/SDXC Memory Card (Class 4 or higher), Memory Stick Micro™ (Mark 2)
	XAVC S	50Mbps: Micro SDXC Memory Card (Class 10 or higher)	XAVC S	50Mbps: Micro SDHC/SDXC Memory Card (Class 10 or higher)
Interface				
Input and Output Terminals	Multi/Micro USB terminal, Micro HDMI terminal		Multi/Micro USB terminal	
Wi-Fi / Bluetooth Function / NFC	Yes / - / Yes (One-touch Remote)		Yes / Yes / -	
GPS	Yes		-	
Power				
Battery Type	NP-BX1		NP-BX1	
USB Charge / USB Power Supply	Yes		Yes	
Others				
Dimensions (W x H x D) (approx.)	24.2 x 46.5 x 81.5 mm, 31/32 x 1 7/8 x 3 1.4 inch		24.2 x 47.0 x 83.0 mm, 31/32 x 1 7/8 x 3 3/8 inch	
Weight (approx.)	Main unit only	68g / 2.4 oz.	Main unit only	58g / 2.0 oz.
	Including battery	93g / 3.3 oz.	Including battery	83g / 2.9 oz.

Recording Time (with fully charged battery)

		Continuous recording time	Typical recording time	Continuous recording time	Typical recording time
		MP4: 1920 x 1080 30P (HQ)	MP4: 1920 x 1080 30P (HQ)	MP4: 1920 x 1080 30P (HQ)	MP4: 1920 x 1080 30P (HQ)
NP-BX1	Wi-Fi ON	115 min	75 min	165 min	110 min
	Wi-Fi OFF	125 min	80 min	195 min	130 min

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• Features and specifications are subject to change without notice.
• Screen displays are simulated.
• Simulated effects are used to illustrate some functions.
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