

Press Release

Capture and Share Precious Moments with Sony's Latest Handycam Line-up
New Handycam camcorder HDR-PJ580VE projects video at up to 100" diagonal with higher resolution of video and still images, extended zoom and better sound quality



HDR-PJ580VE

- Share video with a built-in projector of up to 100" (diagonal) screen size
- Capture more in a broader perspective with professional grade 26.8mm wide angle G lens
- Still images up to 20.4 mega pixels with "By Pixel Super Resolution" technology
- Better sound quality with 'Auto Wind Noise Reduction' and 'Closer Voice' technology
- Capture smooth video in any situations with Optical SteadyShot image stabilization (Active Mode)
- Pre-installed PlayMemories Home software for easy transfer, edit and share
- Built-in USB cable for hassle-free connection to PC and quick charging
- Built-in GPS with map index

Hong Kong, January 17, 2012 – Sony Corporation of Hong Kong today announced a new series of feature-packed Handycam camcorders for a diversified range of customers, from video enthusiasts to amateurs, to capture precious memories and share with families and friends with ease.

HDR-PJ580VE with Enhanced Built-in Projector

Sony adds the new HDR-PJ580VE to the Handycam range with built-in projector, which allows instant sharing of video and images at up to 100” diagonal anywhere with flat surfaces such as walls and ceilings. With S-Master digital amplifier and Clear Phase technology, the stereo speakers bring the projected video back to life with crystal clear dialogues and sounds.

Equipped with the 26.8mm wide-angle Sony G lens, the HDR-PJ580VE allows users to capture stunning video in a wider area. With the new Handycam series, users get the best of both worlds of video and still image shooting thanks to the newly added “By Pixel Super Resolution” technology, which increases the number of pixels recorded by up to 4X for higher resolution images, boasting 20.4 effective mega pixels still images for the HDR-PJ580VE.

Sound plays a vital role in recording life-like video. In addition to 5.1-ch audio recording, iAUTO intelligently detects wind noise based on wind strength while employing a new algorithm to broaden the range of noise reduced. Closer Voice utilizes Face Detection to detect people in a scene, suppress unwanted noise and capture human voices at maximum clarity.

CX Series Offers More Options

Sony has further expanded its Flash Memory Full HD camcorder range with the addition of three new models to the Handycam CX series. Featuring the back-illuminated "Exmor R" CMOS sensor, the new HDR-CX580VE, HDR-CX260VE and HDR-CX210E record full HD video of superb quality under low-light conditions.

Prosumers will love the new HDR-CX580VE, which supports for 50p/25p progressive shooting mode, delivering the best possible image quality in terms of detail and smoothness in addition to a range of advanced features such as zebra, peaking and Cinematone.

Both the HDR-CX580VE and HDR-CX260VE feature the Sony Optical SteadyShot (Active Mode) image stabilization that enlarges the stable shooting area. These two models also feature enhanced image resolution and zoom power. The HDR-CX580VE boasts 20.4-mega pixel still image capture and the HDR-CX260VE offers effective 8.9-mega pixel for still images with an impressive 30x optical zoom and 55x extended zoom.

Built for users new to camcorders, the HDR-CX210E offers an ideal choice of entry-level Handycam camcorder with user-friendly features in a compact design. It exceeds the average video amateur’s needs with Full HD video shooting and 5.3-mega pixel for still images. With a 25x optical zoom and 30x extended zoom, it can easily capture memorable actions in family

outings or leisure activities on the 8GB built-in flash memory. It offers choices of body colours (Black, Red, Silver and Blue) to meet individual users' tastes.

Enjoy Ample Storage with Hard Disk Drive Handycam

To minimize any hassle with looking for additional storage when shooting, the HDR-XR260VE is equipped with a high-capacity of 160GB internal hard disk. To make it more convenient to transfer content, the camcorder has a built-in USB cable that can be tugged in the hand strap when not in use that also supports re-charging.

The built-in GPS (Global Positioning System) has been enhanced and map detail has been increased for enhanced accuracy and enjoyment. The map data is stored in the device (approx. 2.8GB internal memory is used for pre-installed map), and the position of each still image or video event is displayed as a "map index" on a computer with the images transferred. Time zone adjustments are made automatically and accurately via GPS, so users always have the correct local time no matter where they are in the world.

Pre-installed PlayMemories Home Software

Pre-installed on all the new Handycam camcorders, the PlayMemories Home (Lite version) software allows users to intuitively organize and view content with Calendar View / Map View on an improved user interface, by simply connecting to any computer via the built-in USB cable. Users can also install the PlayMemories Home software on their PCs to vastly simplify viewing, retouching, organizing and uploading images to numerous major video and photo sharing Web sites.

Availability of Sony's new Handycam range is as follows:

Models	Suggested Retail Price	Availability
HDR-PJ580VE	HK\$7,980	End of Jan
HDR-CX580VE	HK\$6,980	Mid of Feb
HDR-CX260VE	HK\$4,980	End of Jan
HDR-CX210E	HK\$3,980	
HDR-XR260VE	HK\$6,280	

For customer enquiries, please contact Sony sales and services hotline at (852) 2345-2966

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 its web site on www.sony.com.hk.

About make.believe

“make.believe” (make dot believe) is a Group-wide brand message that unites Sony's communications initiatives across electronics, games, movies, music, mobile phones and network services. “make.believe” symbolizes the spirit of Sony – the power of creativity, the ability to turn ideas into reality and the belief that anything you can imagine, you can make real.

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Product specifications of Handycam HDR-PJ580VE:

Model		HDR-PJ580VE
Image Sensor		1/3.91 type(4.6mm) back-illuminated "Exmor R" CMOS Sensor
Processor		BIONZ [®] image processor
Pixel for still image recording		20.4 megapixels
Gross pixels		Approx.5430K pixels
Effective Picture Resolution		Approx.5020K pixels(16:9)
Minimum Illumination		Standard:6 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)
Lens	Type	G [™] Lens
	Filter Diameter	30mm 1 3/16inch
	Focal Length (Movie Mode) (35mm equivalent)	f=26.8mm - 321.6mm (16:9), 32.8mm - 393.6mm (4:3) f=1 1/16inch - 12 3/4inch (16:9), 1 5/16inch - 15 1/2inch (4:3)
	Focal Length (Photo Mode) (35mm equivalent)	f=26.8mm - 321.6mm (16:9), 32.8mm - 393.6mm (4:3) f=1 1/16inch - 12 3/4inch (16:9), 1 5/16inch - 15 1/2inch (4:3)
Aperture		F1.8-F3.4
Zoom		Optical Zoom 12x Digital Zoom 160x
Extended Zoom		20x
SteadyShot [™]		Optical SteadyShot [™] image stabilization with Active mode (Wide to Tele)
Internal Media		Flash Memory 32GB(29.2 GB for recording)
Recording Media		Internal Flash Memory Memory Stick PRO Duo [™] (Mark 2) Memory Stick PRO-HG Duo [™] SD/SDHC/SDXC Memory Card(Class 4 or Higher)
Video Format		HD:MPEG4-AVC/H.264 AVCHD [™] format ver.2.0 compatible STD:MPEG2-PS
Video Mode (Resolution)		HD:1920x1080/50p(PS), 25p(FX,FH), 50i(FX,FH), 1440x1080/50i (HQ,LP) STD:720x576/50i
Still	Photo Mode	L:20.4 megapixels 16:9 (6016x3384),15.3 megapixels 4:3 (4512x3384)

Image size		M:10.0 megapixels 16:9 (4224x2376),5.0 megapixels 4:3 (2592x1944) S:2.1 megapixels 16:9 (1920x1080),0.3 megapixels 4:3 (640x480)
	Movie Mode	L:20.4 megapixels 16:9 (6016x3384),15.3 megapixels 4:3 (4512x3384) M:10.0 megapixels 16:9 (4224x2376),5.0 megapixels 4:3 (2592x1944) S:2.1 megapixels 16:9 (1920x1080),0.3 megapixels 4:3 (640x480)
Flash	Built-in Flash(Approx. 30cm-200cm)	
Built-in Video Light coverage	Approx.30cm-150cm	
LCD Monitor	7.5cm(3.0 type) Xtra Fine LCD™ display(921K) Wide(16:9) with TruBlack™ technology	
Built-in Projector	Yes	
Microphone /Speaker	Built-in 5.1ch Zoom Microphone / Clear Phase Stereo Speaker	
S-Master Digital Amplifier	Yes	
Auto Wind Noise Reduction	Yes(Off/ON)	
Intelligent Auto	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/ Low light/Auto wind noise reduction	
Embedded GPS	Yes(Current Position Display(Your Location))	
Goft Shot	Yes	
Direct Copy	Yes	
AF Mode	Auto/Manual(Touch Panel)	
Tele Marco	Yes	
Scene Selection	Auto/Night Scene/Night Portrait(Photo Mode only)/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow	
Built-in USB Cable	Yes(USB Charge Available)	
Built-in "Play Memories Home(Lite Version)"	Yes	
Dimensions (WxHxD) (including supplied battery)	Approx.58.5mm x 64.5mm x 116.5mm (Approx.90mm x 82mm x 151.5mm(Including Lens Hood)) Approx.2 3/8inch x2 5/8inch x 4 5/8inch (Approx.3 5/8inch x 3 1/4inch x 6inch(Including Lens Hood))	
Weight (Main unit only)	Approx.345g	
Battery Info. InfoLITHIUM Battery	InfoLITHIUM® with AccuPower™ Meter System (V Series)	
Interface	HDMI Out(mini) Memory Stick PRO Duo™ and SD/SDHC/SDXC compatible USB Port(s) TypeA, mini-AB/USB2.0 Hi-speed (Mass-storage/MTP) BRAVIA® Sync™ PhotoTV HD Headphone Jack: Stereo Minijack	

	<p style="text-align: center;">Microphone Input: Stereo Minijack DC IN A/V Remote Terminal: Video/Audio/Remote Accessory Shoe: Yes(Active Interface Shoe)</p>
Supplied Accessories	<p style="text-align: center;">Rechargeable Battery Pack(NP-FV50) (1) AC adaptor (1) Power Cord (1) A/V Connecting Cable (1) USB Connection Support Cable (1) "Operating Guide"(1) Lens Hood (1) HDMI(mini) Cable (1) Remote Commander(RMT-835 with Battery(CR2025)) (1)</p>

Product specifications of Handycam HDR-CX580VE, HDR-CX260VE & HDR-CX210E:

Model		HDR-CX580VE	HDR-CX260VE	HDR-CX210E
Image Sensor		1/3.91 type(4.6mm) back-illuminated "Exmor R" CMOS Sensor	1/3.91 type(4.6mm) back-illuminated "Exmor R" CMOS Sensor	1/5.8 type(3.1mm) back-illuminated "Exmor R" CMOS Sensor
Processor		BIONZ™ image processor	BIONZ™ image processor	BIONZ™ image processor
Pixel for still image recording		20.4 megapixels	8.9 megapixels	5.3 megapixels
Gross pixels		Approx.5430K pixels	Approx.5430K pixels	Approx.1500K pixels
Effective Picture Resolution		Approx.5020K pixels(16:9)	Approx.2230K pixels(16:9)	Approx.1310K pixels(16:9)
Minimum Illumination		Standard:6 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)	Standard:6 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)	Standard:11 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)
Lens	Type	G Lens™	G Lens™	Carl Zeiss® Vario-Tessar® Lens
	Filter Diameter	30mm 1 3/16inch	---	---
	Focal Length (Movie Mode) (35mm equivalent)	f=26.8mm - 321.6mm (16:9), f=32.8mm - 393.6mm (4:3) f=1 1/16inch - 12 3/4inch (16:9), f=1 5/16inch - 15 1/2inch (4:3)	f=29.8-894mm(16:9),f=36.5-1095mm(4:3) f=1 3/16-35 1/4inch(16:9),f=1 7/16-43 1/8inch(4:3)	f=:36mm - 1080mm (16:9), f=44mm - 1320mm (4:3) f=:1 7/16inch - 42 5/8inch (16:9), f=1 3/4inch - 52inch (4:3)
	Focal Length (Photo Mode) (35mm equivalent)	f=26.8mm - 321.6mm (16:9), f=32.8mm - 393.6mm (4:3) f=1 1/16inch - 12 3/4inch (16:9), f=1 5/16inch - 15 1/2inch (4:3)	f=29.8-894mm(16:9),f=36.5-1095mm(4:3) f=1 3/16-35 1/4inch(16:9),f=1 7/16-43 1/8inch(4:3)	f=36mm - 900mm (16:9), f=44mm - 1100mm (4:3) f=1 7/16inch - 35 1/2inch (16:9), f=1 3/4inch - 43 3/8inch (4:3)
Aperture		F1.8 – F3.4	F1.8-F3.4	F1.8-F3.2
Zoom		Optical 12x Digital 160x	Optical 30x Digital 350x	Optical 25x Digital 300x
Extended Zoom		20x	55x	30x
SteadyShot		Optical SteadyShot™ image stabilization with Active mode (Wide to Tele)	Optical SteadyShot™ image stabilization with Active mode (Wide to Tele)	Electrical SteadyShot™ image stabilization with Active mode (Wide to Tele)
Internal Memory Capacity		Flash Memory 32 GB	Flash Memory 16 GB	Flash Memory 8GB

		(29.2GB for recording)	(13.2GB for recording)	
Recording Media		Internal Flash Memory Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)	Internal Flash Memory Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)	Internal Flash Memory Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)
Video Format		HD:MPEG4-AVC/H.264 AVCHD™ format ver.2.0 compatible STD:MPEG2-PS	HD:MPEG4-AVC/H.264 AVCHD™ format ver.2.0 compatible STD:MPEG2-PS	HD:MPEG4-AVC/H.264 AVCHD™ format ver.2.0 compatible STD:MPEG2-PS
Video Mode(Resolution)		HD:1920x1080/50p(PS), 25p(FX,FH), 50i(FX,FH), 1440x1080/50i (HQ,LP) STD:720x576/50i	HD:1920x1080/50p(PS), 50i(FX,FH), 1440x1080/50i (HQ,LP) STD:720x576/50i	HD:1920x1080/50i (FX,FH), 1440x1080/50i(HQ,LP) STD:720x480/50i
Still Image Size	Photo Mode	L:20.4 megapixels 16:9 (6016x3384), 15.3 megapixels 4:3 (4512x3384) M:10.0 megapixels 16:9 (4224x2376), 5.0 megapixels 4:3 (2592x1944) S:2.1 megapixels 16:9 (1920x1080), 0.3 megapixels 4:3 (640x480)	L:8.9 megapixels 16:9 (3984x2240), 6.7 megapixels 4:3 (2992x2240) M:4.5 megapixels 16:9 (2816x1584), 3.3 megapixels 4:3 (2112x1584) S:2.1 megapixels 16:9 (1920x1080), 0.3 megapixels 4:3 (640x480)	L:5.3 megapixels 16:9 (3072x1728), 4.0 megapixels 4:3 (2304x1728) S:1.3 megapixels 16:9 (1536x864), 0.3 megapixels 4:3 (640x480)
	Movie Mode	L:20.4 megapixels 16:9 (6016x3384),15.3 megapixels 4:3 (4512x3384) M:10.0 megapixels 16:9 (4224x2376),5.0 megapixels 4:3 (2592x1944) S:2.1 megapixels 16:9 (1920x1080),0.3 megapixels 4:3 (640x480)	L:8.9 megapixels 16:9 (3984x2240),6.7 megapixels 4:3 (2992x2240) M:4.5 megapixels 16:9 (2816x1584),3.3 megapixels 4:3 (2112x1584) S:2.1 megapixels 16:9 (1920x1080),0.3 megapixels 4:3 (640x480)	L:5.3 megapixels 16:9 (3072x1728),4.0 megapixels 4:3 (2304x1728) S:1.3 megapixels 16:9 (1536x864),0.3 megapixels 4:3 (640x480)
Flash		Built-in Flash(Approx 30cm – 200cm)	---	---

Built-in Video Light Coverage	Approx. 30cm – 150cm	---	---
LCD Monitor	7.5cm(3.0 type) Xtra Fine LCD™ display(921K) Wide(16:9) with TruBlack™ technology	7.5cm(3.0 type) Clear Photo LCD display (230K) Wide(16:9)	6.7cm(2.7 type) Clear Photo LCD™ display (230K) Wide(16:9)
Microphone/ Speaker	Built-in 5.1ch Zoom Microphone/ Clear Phase Stereo Speaker	Built-in Zoom Microphone/ Monoral Speaker	Built-in Zoom Microphone/ Monoral Speaker
S-Master Digital Amplifier	Yes	---	---
Auto Wind Noise Reduction	Yes(Off/ON)	Yes(Off/ON)	---
Intelligent Auto	Portrait/Baby/Walk/ Tripod/Backlight/ Landscape/Spotlight/ Twilight/Macro/ Low light/Auto wind noise reduction	Portrait/Baby/Walk/Tripod/Backlight/Landscape/ Spotlight/Twilight/Macro/ Low light/Auto wind noise reduction	Portrait/Baby/Tripod/ Backlight/Landscape/ Spotlight/Twilight/Macro /Low light
Embedded GPS	Yes(Current Position Display(Your Location))	Yes(Current Position Display(Your Location))	---
Goft Shot	Yes	Yes	---
Direct Copy	Yes	Yes	Yes
AF Modes	Auto/Manual(Touch Panel)	Auto/Manual(Touch Panel)	Auto/Manual(Touch Panel)
Tele Marco	Yes	Yes	Yes
Scene Mode	Auto/Night Scene/Night Portrait(Photo Mode only)/Sunrise & Sunset/Fireworks/ Landscape/Portrait/ Spotlight/Beach/Snow	Auto/Night Scene/Sunrise & Sunset/Fireworks/ Landscape/Portrait/ Spotlight/Beach/Snow	Auto/Night Scene/Sunrise & Sunset/Fireworks/ Landscape/Portrait/ Spotlight/Beach/Snow
Built-in USB Cable	Yes(USB Charge Available)	Yes(USB Charge Available)	Yes(USB Charge Available)
Built-in “Play Memories Home(Lite Version)”	Yes	Yes	Yes
Dimensions (WxHxD) (including supplied	Approx.54.5mm x 64.5mm x 116.5mm(Approx.90mm	Approx.52.5mm x 55mm x 112.5mm(Approx.52.5m	Approx.51mm x 56mm x 106.5mm(Approx.51mm x 56mm x 114mm)

battery)	x 82mm x 151.5mm(including Lens Hood)) Approx.2 1/4inch x2 5/8inch x 4 5/8inch(Approx.3 5/8inch x 3 1/4inch x 6inch(including Lens Hood))	m x 55mm x 122.5mm) Approx.2 1/8inch x 2 1/4inch x 4 1/2inch(Approx.2 1/8inch x 2 1/4inch x 4 7/8inch)	2 1/8inch x 2 1/4inch x 4 1/4inch(2 1/8inch x 2 1/4inch x 4 1/2inch)
Weight (Main unit only)	Approx.320g	Approx.205g	Approx.175g
Battery Info. IntoLITHIUM Battery	InfoLITHIUM® with AccuPower™ Meter System (V Series)	InfoLITHIUM® with AccuPower™ Meter System (V Series)	InfoLITHIUM® with AccuPower™ Meter System (V Series)
Interface	HDMI Out(mini) Memory Card Slot USB Port(s) TypeA, mini-AB/USB2.0 Hi- speed (Mass- storage/MTP) BRAVIA® Sync™ PhotoTV HD Headphone Jack (Stereo Mini Jack) Microphone Input (Stereo Mini Jack) DC IN A/V Remote Terminal: Video/Audio/Remote Accessory Shoe (Active Interface Shoe)	HDMI Out(mini) Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi-speed (Mass-storage/MTP) BRAVIA® Sync™ PhotoTV HD Microphone Input (Stereo Mini Jack) DC IN A/V Remote Terminal: Video/Audio/Remote	HDMI Out(mini) Memory Card Slot USB Port(s) TypeA, mini-AB/USB2.0 Hi-speed (Mass- storage/MTP, Read Only) BRAVIA® Sync™ PhotoTV HD DC IN A/V Remote Termnal: Video/Audio/Remote
Supplied Accessories	Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) A/V Connecting Cable (1) USB Connection Support Cable (1) "Operating Guide"(1) Lens Hood (1) HDMI(mini) Cable (1)	Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) A/V Connecting Cable (1) USB Connection Support Cable (1) "Operating Guide"(1) HDMI(mini) Cable (1)	Rechargeable Battery Pack(NP-FV30) (1) AC Adaptor (1) Power Cord (1) HDMI(mini) Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) "Operating Guide"(1)

Product specifications of Handycam HDR-XR260VE:

Model		HDR-XR260VE
Image Sensor		1/3.91 type(4.6mm) back-illuminated "Exmor R" CMOS
Processor		BIONZ™ image processor
Pixel for still image recording		8.9 Megapixels
Gross pixels		Approx.5430K pixels
Effective Picture Resolution		Approx.2230K pixels(16:9)
Minimum Illumination		Standard:6 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)
Lens	Type	G Lens™
	Filter Diameter	37mm
	Focal Length (Movie Mode) (35mm equivalent)	f=29.8-894mm(16:9),f=36.5-1095mm(4:3) f=1 3/16-35 1/4inch(16:9),f=1 7/16-43 1/8inch(4:3)
	Focal Length (Photo Mode) (35mm equivalent)	f=29.8-894mm(16:9),f=36.5-1095mm(4:3) f=1 3/16-35 1/4inch(16:9),f=1 7/16-43 1/8inch(4:3)
Aperture		F1.8 – F3.4
Zoom		Optical Zoom: 30x Digital Zoom: 350x
Extended Zoom		55x
SteadyShot™		Optical SteadyShot™ image stabilization with Active mode (Wide to Tele)
HDD Capacity		HDD 160GB (157.2GB for recording)
HDD Smart Protection		Yes
Recording Media		Internal HDD Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)
Video Format		HD:MPEG4-AVC/H.264 AVCHD™ format ver.2.0 compatible STD:MPEG2-PS
Video Mode(Resolution)		HD:1920x1080/50p(PS), 50i(FX,FH), 1440x1080/50i (HQ,LP) STD:720x576/50i
Still Image size	Photo Mode	L:8.9 megapixels 16:9 (3984x2240),6.7 megapixels 4:3 (2992x2240) M:4.5 megapixels 16:9 (2816x1584),3.3 megapixels 4:3 (2112x1584) S:2.1 megapixels 16:9 (1920x1080),0.3 megapixels 4:3 (640x480)
	Movie Mode	L:8.9 megapixels 16:9 (3984x2240),6.7 megapixels 4:3 (2992x2240) M:4.5 megapixels 16:9 (2816x1584),3.3 megapixels 4:3 (2112x1584)

		S:2.1 megapixels 16:9 (1920x1080),0.3 megapixels 4:3 (640x480)
LCD Monitor		7.5cm(3.0 type) Clear Photo LCD display (230K) Wide(16:9)
Microphone /Speaker		Built-in 5.1 ch Zoom Microphone / Clear Phase Stereo Speaker
S-Master Digital Amplifier		Yes
Auto Wind Noise Reduction		Yes(Off/ON)
Intelligent Auto		Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light/Auto wind noise reduction
Embedded GPS		Yes(Current position display(Your location))
Goft Shot		Yes
Direct Copy		Yes
AF Mode		Auto/Manual(Touch Panel)
Tele Marco		Yes
Scene Mode		Auto/Night Scene/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow
Built-in USB Cable		Yes(USB Charge Available)
Built-in “Play Memories Home (Lite Version)”		Yes
Dimensions (WxHxD) (including supplied battery)		Approx.59.5mm x 66mm x 117.5mm (Approx.59.5mm x 66mm x 128mm) Approx.2 3/8inch x 2 5/8inch x 4 5/8inch (Approx.2 3/8inch x 2 5/8inch x 5 1/8inch)
Weight (Main unit only)		Approx.355g
Battery Info. IntoLITHIUM Battery		InfoLITHIUM [®] with AccuPower™ Meter System (V Series)
Interface		HDMI Out(mini) Memory Card Slot TypeA, mini-AB/USB2.0 Hi-speed (Mass-storage/MTP) BRAVIA [®] Sync™ PhotoTV HD Microphone Input DC IN A/V Remote Terminal: Video/Audio/Remote
Supplied Accessories		Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) A/V Connecting Cable (1) USB Connection Support Cable (1) "Operating Guide"(1) HDMI(mini) Cable (1)