

Press Release

Sony Reinvents Its Handycam Camcorder Line with a Full HD 3D Solution

Breakthrough models with built-in projectors and camcorders for enthusiasts also join industry-leading video camcorder range



HDR-TD10E

Hong Kong, March 1, 2011 – Sony Corporation of Hong Kong Limited today introduced a new lineup of Handycam camcorders that redefines the way consumers capture video and photos, including its first foray into the consumer world of 3D. Sony is the only company that can deliver motion pictures and live action sports in 3D – and provide a similar experience to consumers at home or on-the-go.

Significant technological advancements enhance the new camcorder portfolio, yielding innovative devices that offer unique digital imaging solutions. In addition to a Full HD 3D Handycam camcorder, a built-in projector series and high definition models for video enthusiasts are the highlights of Sony's exciting range of camcorders. Also, all the high definition video camcorders are feature-packed from entry level to the top of the range.

“The new Handycam lineup revolutionizes the way customers capture video,” said Mr. Henry Lee, Division Managing Director, Hong Kong Marketing Company, Sony Corporation of Hong Kong Limited. “With the innovative new technologies, the lineup represents an exciting addition to Sony's 3D solutions, and includes other technology breakthroughs such as a built-in projector function and HD models, which answer consumer needs as well as create new demand.”

Handycam Headliners: Full HD 3D, Projection, Film-Like Production

Creating a new standard in video creation and playback, three new additions bring 3D technology, built-in projector and enthusiast video solutions to Sony's industry-leading high definition lineup.

Strengthening its 3D portfolio, Sony's HDR-TD10E is a "Double Full HD" 3D consumer camcorder. The camcorder employs an integrated dual lens system, which includes two of each key component - double Sony G Lenses, double "Exmor R" CMOS sensors, and double "BIONZ" image processors. The dual recording system yields the ability for 3D content to be played back in Full HD 2D automatically on non-3D displays, while 3D footage can be played back without glasses on the camcorder's crisp Xtra Fine 3.5-inch 3D LCD touch screen. Full HD 3D videos can also be played on any 3D capable HDTV. In addition to other innovative features, 10x optical zoom with Optical SteadyShot (Active Mode; available only at the wide end) and iAUTO are offered in 3D mode. Providing 64GB of flash memory, the HDR-TD10E will be available in April 2011.



HDR-PJ10E

Sony's new Handycam camcorders with built-in projector offer the ultimate playback experience. A projector is built into the 3-inch LCD panel, maintaining the camcorder's compact size, and allows video and images to be projected at up to 60" (diagonally when projected 3 metres away) onto walls, ceilings, or other flat surfaces. Stereo speakers with Clear Phase and S-Master digital amplifiers produce clear, dynamic sound. When combined with the integrated projector, they provide a whole new way to enjoy video playback without needing to plug into an HDTV. Three models of Handycam camcorders with built-in projectors are available - the HDR-PJ50E with a 220GB Hard Disk Drive, HDR-PJ30E with 32GB of flash memory, and HDR-PJ10E with 16GB of flash memory.

Sony also introduced the enthusiast-level HDR-CX700E with 96GB of flash memory and hallmark Handycam features – “Exmor R” CMOS Sensor, Wide Angle Sony Lens G, Optical SteadyShot™ with Active Mode, Highlight Playback, Face Detection, iAUTO – and a wealth of new technology like 50p/25p recording, PMB portable (becomes compatible with Mac computers from April), built-in USB cable, Tracking Focus, and Event Browse for automatic grouping of content by events for easy playback.

Borrowing from Sony’s professional products, the HDR-CX700E boasts film-like shooting with 25p recording, along with CinemaTone Gamma™ and CinemaTone Color™ presets, as well as advanced features such as Expanded Focus, Zebra and Peaking settings for more precise video expressions. Additionally, a newly developed 16:9 “Exmor R” CMOS sensor realizes wide angles of up to 26.3mm (35mm equivalent) and higher megapixels for video and photos. With 96GB of flash memory, the HDR-CX700E will be available in March 2011.

Advanced Optics & Intelligent Features

With sleek designs and best-in-class features such as its high-speed BIONZ® imaging processor, Sony’s camcorder family offers unparalleled performance. Across the lineup, the following technologies will be integrated:

- iAUTO for automatic selection of optimal camcorder settings in different environments by detecting the camcorder’s surroundings and continually optimizing settings in real-time for a variety of unique scenes
- Extended Zoom for longer zooming capability, in addition to Optical zoom
- Wide Angle lens to capture everything
- Event Browse for automatic grouping of content by events for easy playback
- Highlight Playback & Share to easily create a highlight reel
- Direct Copy to create a video library on external HDD without a PC
- Built-in USB cable and software for easy web upload and quick charge (except HDR-TD10E)
- Large 3-inch LCD display for easy viewing and touch operation (HDR-TD10E has a 3.5 inch LCD)
- Auto lens cover & power-on just by opening the LCD
- Optical SteadyShot™ image stabilization with Active Mode in HD models, reducing the effects of hand shake for dramatically smoother video footage even while walking

Sony continues to offer superior engineering in its HD models, even at entry level. In addition to the above, all new HD Handycam models will feature the back-illuminated “Exmor R” CMOS sensor for stunning low light performance, Golf Shot for a rendering of swings in up to 22 images, Wide Angle G Lens (26.3mm for HDR-CX700E; 29.8mm for the rest of HD models), and 50p recording. The new HD Handycam models capture content in full 1920 x 1080 high-definition video recording at up to 24Mbps, the highest bit-rate offered by the AVCHD format.

All HD Handycam camcorders will also be equipped with a new feature called Tracking Focus, which maintains focus for moving objects. Similar to Face Touch, where person in the frame is selected to be prioritized, any subject in the shot, such as dog or vehicle, is touched with a fingertip.

A vital part of good video is optimal sound, and with deep roots in audio innovation, Sony brings exceptional sound to more of its camcorder models. Now many Handycam camcorders will be equipped with a high quality built-in microphone with 5.1ch surround system, stereo speakers with Clear Phase and S-Master technology, wind noise reduction, and a mic/HP jack.

High-Definition Lineup

Sony will offer attractive entry-level HD camcorder options in both hard drive (HDR-XR160E) and flash memory (HDR-CX160E and HDR-CX130E) formats. The HDR-XR160E features a 160GB hard drive for up to 66 hours of HD video (LP mode), while the HDR-CX160E has 16GB of embedded flash memory for up to six hours of HD video (LP mode), and the HDR-CX130E allows for customizable capacity with the purchase of a memory card.

These camcorders are packed with features including:

- 1/4" "Exmor R" CMOS Sensor with "ClearVid" array
- 30X optical zoom lens and 42X extended zoom
- 3.3-megapixel still photos
- 29.8mm Wide Angle G Lens (35mm equivalent, video mode)
- Wind Noise Reduction
- Mic jack (except HDR-CX130E)
- 5.1 microphone and stereo speaker (HDR-XR160E only)

The HDR-CX130E will come in black, blue, red and silver.

Better Storage and Post-shooting Options

In addition to the hard disk drive or built-in flash memory, all of Sony's new camcorders can record video and still images directly to Memory Stick PRO Duo™ media, Secure Digital (SD), or SDHC media card (all sold separately).

Also featured on all HD models, the Direct Copy feature lets you copy footage directly from Handycam camcorders to any brand of external hard disk drive (USB2.0; under2TB) via a USB cable (VMC-UAM1; sold separately), when connected to AC power, for PC-free back-up and archiving. Video stored on the external HDD can be played back through the camcorder for viewing on a compatible TV. The Handycam camcorders are also compatible with Sony's VRD-MC6 Multi-Function DVD Recorder, as well as the VRD-P1 DVDirect Express DVD writer, offering quick and easy ways to transfer home videos directly to DVD without a computer.

Handycam camcorders are compatible with PC. For PC users, the bundled Picture Motion Browser (“PMB”) software allows viewing, editing, organizing and uploading images to many major video and photo sharing Web sites.

Availability of Sony’s new Handycam range in Hong Kong:

Models	Suggested Retail Price	Availability
HDR-TD10E	To be announced	April 2011
HDR-PJ50E	To be announced	May 2011
HDR-PJ30E	HK\$7,980	March 2011
HDR-PJ10E	HK\$6,980	March 2011
HDR-CX700E	HK\$10,980	March 2011
HDR-CX160E	HK\$4,980	March 2011
HDR-CX130E	HK\$4,680	March 2011
HDR-XR160E	To be announced	May 2011

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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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Specifications for 3D Handycam® HDR-TD10E

Model		HDR-TD10E
Image Sensor		2x 1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor
Processor		2x BIONZ™ image processor
Pixel for still image recording		7.1 megapixels
Gross pixels		2x Approx.4200K pixels(3D) / Approx.4200K pixels(2D)
Effective Pixels	Still	Approx.3540K pixels(4:3)(2D)
Minimum Illumination		Standard:11 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)(2D only)
Lens	Type	G Lens™
	Filter Diameter	30mm 1 3/16inch
	f (for movie)	3D:34.4mm - 344mm 3D:1 3/8inch - 13 1/2inch 2D:29.8mm - 357.6mm (16:9), 36.5mm - 438mm (4:3) 2D:1 7/16inch - 14 1/8inch (16:9), 1 7/16inch - 17 1/4inch (4:3)
	f (for still)	29.8mm - 357.6mm (16:9), 27.4mm - 328.8mm (4:3) 1 3/16inch - 14 1/8inch(16:9), 1 1/8inch - 13inch(4:3)
Zoom	Movie	Optical 10x(3D)/12x(2D) Digital: 160x(2D only)
	Still	Optical 12x(2D)
Extended Zoom		17x(2D only)
SteadyShot		Optical SteadyShot™ image stabilization w/ Active mode (wide(3D)/Wide to Tele(2D))
HDD Capacity		Flash Memory 64GB
Aperture		F1.8-F3.4
Recording Media		Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)
Video recording		3D HD:MVC(original format) HD:MPEG4-AVC/H.264 AVCHD format compatible (1080/50p:original format) STD:MPEG2-PS
Video Mode		3D HD: 2x 1920 x 1080/ 50i

(resolution)	HD: 1920 x 1080/ 50p, 25p , 50i(FX,FH), 1440 x 1080/ 50i (HQ,LP) STD: 720 x 576 / 50i	
Still Image size	Photo Mode	7.1 megapixels 4:3 (3072x2304) 5.3 megapixels 16:9 (3072x1728) 1.9 megapixels 4:3 (1600x1200) 307K pixels 4:3 (640x480)
	Movie Mode	5.3 megapixels 16:9 (3072x1728) 4.0 megapixels 4:3 (2304x1728)
Flash	Built-in Flash	
LCD Monitor	8.8cm(3.5 type) Xtra Fine LCD™ 3D display(1229K) Wide(16:9) w/TruBlack™ technology	
Microphone Speaker	Built-in Zoom Microphone Stereo Speaker	
Wind Noise Reduction	Yes(Off/On)	
S-Master Digital Amplifier	Yes	
Intelligent Auto	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/ Twilight/Macro/Low light	
Goft Shot	Yes(2D only)	
Direct Copy Compatible	Yes	
AF Mode	Auto/Manual(Touch Panel)	
Tele Marco	Yes(2D only)	
Scene Selection	Auto/Twilight/Twilight Portrait/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow - 2D only	
Fader	White/Black(2D only)	
Dimensions (WxHxD) including supplied battery	Approx.74mm(H) x 86.5mm(W) x148.5mm(D)	
Weight (Main unit only)	Approx. 645g	
Battery Info. IntoLITHIUM Battery	InfoLITHIUM® with AccuPower™ Meter System (V Series)	
Interface	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini-AB/USB2.0 Hi-speed BRAVIA® Sync™ PhotoTV HD Headphone Jack	

	<p>Microphone Input DC IN integrated into AV Accessory Shoe</p>
Supplied Accessories	<p>Rechargeable Battery Pack(NP-FV70) (1) AC Adaptor (1) Power Cord (1) HDMI (mini) Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM("Handycam" Application Software) (1) Remote Commander(RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1)</p>

Specifications for Handycam® HDR-PJ50E, HDR-PJ30E & HDR-PJ10E

Model		HDR- PJ50E	HDR- PJ30E	HDR- PJ10E
Image Sensor		1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor	1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor	1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor
Processor		BIONZ™ image processor	BIONZ™ image processor	BIONZ™ image processor
Pixel for still image recording		7.1 megapixels	7.1 megapixels	3.3 megapixels
Gross pixels		Approx.4200K pixels	Approx.4200K pixels	Approx.4200K pixels
Effective Pixels	Still	Approx.1670K pixels(4:3)	Approx.3540K pixels(4:3)	Approx.3540K pixels(4:3)
Minimum Illumination		Standard:11 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)	Standard:11 lux(1/60 Shutter Speed) Low Lux:3 lux(1/30 Shutter Speed)
Lens	Type	G Lens	G Lens	G Lens
	Filter Diameter	37mm 1 1/2inch	30mm 1 3/16inch	30mm 1 3/16inch
	f (for movie)	29.8mm - 894mm (16:9), 36.5mm - 1095mm (4:3) 1 3/16inch – 35 1/4inch (16:9), 1 7/16inch – 43 1/8inch (4:3)	29.8mm - 357.6mm (16:9), 36.5mm - 438mm (4:3) 1 3/16inch – 14 1/8inch (16:9), 1 7/16inch – 17 1/4inch (4:3)	29.8mm - 357.6mm (16:9), 36.5mm - 438mm (4:3) 1 3/16inch – 14 1/8inch (16:9), 1 7/16inch – 17 1/4inch (4:3)
	f (for still)	32.5mm - 975mm (16:9), 29.8mm - 894mm (4:3) 1 5/16inch - 38 1/2inch(16:9), 1 3/16inch - 35 1/4inch(4:3)	29.8mm - 357.6mm (16:9), 27.4mm - 328.8mm (4:3) 1 3/16inch - 14 1/8inch(16:9), 1 1/8inch - 13inch(4:3)	29.8mm - 357.6mm (16:9), 27.4mm - 328.8mm (4:3) 1 3/16inch - 14 1/8inch(16:9), 1 1/8inch - 13inch(4:3)
Aperture		F1.8 – F3.4	F1.8 – F3.4	F1.8 – F3.4
Zoom	Movie	Optical 30x Digital 350x	Optical 12x Digital 160x	Optical 12x Digital 160x
	Still	Optical 30x	Optical 12x	Optical 12x
Extended Zoom		17x	17x	42x
SteadyShot		Optical SteadyShot™ image stabilization w/ Active mode	Optical SteadyShot™ image stabilization w/ Active mode (Wide to	Optical SteadyShot™ image stabilization w/ Active mode (Wide to

		(Wide to Tele)	Tele)	Tele)
HDD Capacity		HDD 220GB(HDD Smart Protection)	Flash Memory 32GB	Flash Memory 16GB
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)	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 recording		HD:MPEG4-AVC/H.264 AVCHD™ format compatible(1080/50p: original format)	HD:MPEG4-AVC/H.264 AVCHD™ format compatible(1080/50p: original format)	HD:MPEG4-AVC/H.264 AVCHD™ format compatible(1080/50p: original format)
Video Mode (Resolution)		HD: 1920 x 1080/50p ,25p 50i(FX,FH) 1440 x 1080/50i(HQ,LP) STD: 720x 576/50i	HD: 1920 x 1080/50p ,25p 50i(FX,FH) 1440 x 1080/50i(HQ,LP) STD: 720x 576/50i	HD: 1920 x 1080/50p,50i(FX, FH) 1440 x 1080/ 50i(HQ, LP) STD: 720 x 576/50i
Still Image size	Photo Mode	3.3 megapixels 4:3 (2112x1584) 3.0 megapixels 16:9 (2304 x 1296) 1.9 megapixel 4:3 (1600 x 1200) 307K pixels 4:3 (640 x 480)	7.1 megapixels 4:3 (3072x2304) 5.3 megapixels 16:9 (3072x1728) 1.9 megapixels 4:3 (1600x1200) 307K pixels 4:3 (640x480)	7.1 megapixels 4:3 (3072x2304) 5.3 megapixels 16:9 (3072x1728) 1.9 megapixels 4:3 (1600x1200) 307K pixels 4:3 (640x480)
	Movie Mode	3.0 megapixels 16:9 (2304x1296) 2.2 megapixels 4:3 (1728x1296)	5.3 megapixels 16:9 (3072x1728) 4.0 megapixels 4:3 (2304x1728)	5.3 megapixels 16:9 (3072x1728) 4.0 megapixels 4:3 (2304x1728)
Flash		Built-in Flash	Built-in Flash	---
Video Light		---	Built-in Video Light	---
LCD Monitor		7.5cm(3.0 type) Clear Photo LCD Plus™ display (230K) Wide(16:9)	7.5cm(3.0 type) Clear Photo LCD Plus™ display (230K) Wide(16:9)	7.5cm(3.0 type) Clear Photo LCD Plus™ display (230K) Wide(16:9)

Built-in Projector	Yes	Yes	Yes
Microphone Speaker	Built-in Zoom Microphone Clear Phase Stereo Speaker	Built-in Zoom Microphone Clear Phase Stereo Speaker	Built-in Zoom Microphone Clear Phase Stereo Speaker
S-Master Digital Amplifier	Yes	Yes	Yes
Wind Noise Reduction	Yes(Off/On)	Yes(Off/On)	Yes(Off/On)
Intelligent Auto	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro / Low light	Portrait/Baby/Walk/Tripod / Backlight/Landscape/Spotlight/Twilight/Macro/ Low light	Portrait/Baby/Walk/Tripod / Backlight/Landscape/Spotlight/Twilight/Macro/ Low light
Goft Shot	Yes	Yes	Yes
Direct Copy Compatible	Yes	Yes	Yes
AF Mode	Auto/Manual (Touch Panel)	Auto/Manual(Touch Panel)	Auto/Manual(Touch Panel)
Tele Marco	Yes	Yes	Yes
Auto Slow Shutter	Yes	Yes	Yes
Built-in USB Cable	Yes(USB Charge Available)	Yes(USB Charge Available)	Yes(USB Charge Available)
Pre-installed “PMB Portable”	Yes	Yes	Yes
Scene Selection	Auto/Twilight/Twilight Portrait(Photo Mode only)/Sunrise & Sunset/Fireworks/ Landscape/Portrait/ Spotlight/Beach/ Snow	Auto/Twilight/Twilight Portrait(Photo Mode only)/Sunrise & Sunset/Fireworks/ Landscape/Portrait/ Spotlight/Beach/ Snow	Auto/Twilight/Sunrise & Sunset/Fireworks/ Landscape/Portrait/ Spotlight/Beach/Snow
Fader	White/Black	White/Black	White/Black
Dimensions (WxHxD) (including supplied battery)	Approx.58.5mm x 64.5mm x 116.5mm (Approx.58.5mm x 64.5mm 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)	Approx.58.5mm x 64.5mm x 116.5mm (Approx.58.5mm x 64.5mm 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)	Approx.58.5mm x 64.5mm x 116.5mm (Approx.58.5mm x 64.5mm 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. 395g	Approx. 335g	Approx. 310g
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 Mini Connector Memory Card Slot USB Port(s) TypeA, mini-AB/USB2.0 Hi- speed BRAVIA® Sync™ PhotoTV HD Headphone Jack: Stereo Minijack Microphone Input: Stereo Minijack DC IN A/V Remote terminal Accessory Shoe	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi-speed BRAVIA® Sync™ PhotoTV HD Headphone Jack: Stereo Minijack Microphone Input: Stereo Minijack DC IN A/V Remote terminal Accessory Shoe	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi-speed BRAVIA® Sync™ PhotoTV HD Headphone Jack : Stereo Minijack Microphone Input: Stereo Minijack DC IN A/V Remote terminal
Supplied Accessories	Rechargeable Battery Pack(NP-FV50) (1) AC adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM("Handycam®" Application Software) (1) Remote Commander(RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1)	Rechargeable Battery Pack(NP-FV50) (1) AC adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM("Handycam®" Application Software) (1) Remote Commander(RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1)	Rechargeable Battery Pack(NP-FV50) (1) AC adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM("Handycam®" Application Software) (1) Remote Commander(RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1)

Specifications for Handycam® HDR-CX700E, HDR-CX160E, HDR-CX130E & HDR-XR160E

Model		HDR-CX700E	HDR-CX160E	HDR-CX130E	HDR-XR160E
Image Sensor		1/2.88 type(6.2mm) back-illuminated "Exmor R" CMOS Sensor	1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor	1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor	1/4 type(4.5mm) back-illuminated "Exmor R" CMOS Sensor
Processor		BIONZ™ image processor	BIONZ™ image processor	BIONZ™ image processor	BIONZ™ image processor
Pixel for still image recording		12.3 megapixels	3.3 megapixels	3.3 megapixels	3.3 megapixels
Gross pixels		Approx.6650K pixels	Approx.4200K pixels	Approx.4200K pixels	Approx.4200K pixels
Effective Pixels	Still	Approx.1670 K pixels(4:3)	Approx.1670K pixels(4:3)	Approx.6140K pixels(16:9)	Approx.1670K pixels(4:3)
Minimum Illumination		Standard:11 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed) NightShot:0 lux(1/50 Shutter Speed)	Standard:11 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)	Standard:11 lux(1/50 Shutter Speed) Low Lux:3 lux(1/25 Shutter Speed)
Lens	Type	G Lens™	G Lens™	G Lens™	G Lens™
	Filter Diameter	37mm 1 1/2inch	37mm 1 1/2inch	37mm 1 1/2inch	37mm 1 1/2inch
	f (for movie)	26.3 mm - 263 mm (16:9), 32.2 mm -322 mm (4:3) 1 1/16 inch - 10 3/8 inch (16:9), 1 5/16 inch - 12 3/4 inch (4:3)	29.8mm - 894mm (16:9), 36.5mm - 1095mm (4:3) 1 3/16inch - 35 1/4inch (16:9), 1 7/16 - 43 1/8inch (4:3)	29.8 mm - 894 mm (16:9), 36.5 mm - 1095 mm (4:3) 1 3/16 inch - 35 1/4 inch (16:9), 1 7/16 - 43 1/8 inch (4:3)	29.8mm - 894mm (16:9), 36.5mm - 1095mm (4:3) 1 3/16inch - 35 1/4inch (16:9), 1 7/16inch - 43 1/8inch (4:3)

	f (for still)	26.3 mm - 263 mm (16:9), 32.2 mm -322 mm (4:3) 1 1/16 inch - 10 3/8 inch (16:9), 1 5/16 inch - 12 3/4 inch (4:3)	1 5/16inch - 38 1/2inch (16:9) 1 3/16 - 35 1/4inch (4:3)	1 5/16 inch - 38 1/2 inch (16:9) 1 3/16 - 35 1/4 inch (4:3)	32.5mm - 975mm (16:9), 29.8mm - 894mm (4:3) 1 5/16inch - 38 1/2inch(16:9), 1 3/16inch - 35 1/4inch(4:3)
Aperture		F1.8 – F3.4	F1.8 – F3.4	F1.8 – F3.4	F1.8 – F3.4
Zoom	Movie	Optical 10x Digital 120x	Optical 30x Digital 350x	Optical 30x Digital 350x	Optical: 30x Digital: 350x
	Still	Optical 10x	Optical 30x	Optical 30x	Optical: 30x
Extended Zoom		14x	42x	42x	42x
SteadyShot		Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)	Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)	Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)	Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele)
HDD Capacity		Flash Memory 96GB	Flash Memory 16GB	---	HDD 160GB
HDD Smart Protection		---	---	---	Yes
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)	Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)	Internal HDD Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)
Video recording		HD:MPEG4-AVC/H.264 AVCHD format compatible(1080/50p:original format) STD:MPEG2-PS	HD:MPEG4-AVC/H.264 AVCHD format compatible(1080/50p:original format)	HD:MPEG4-AVC/H.264 AVCHD format compatible(1080/50p:original format)	HD:MPEG4-AVC/H.264 AVCHD format compatible(1080/50p:original format)

			STD:MPEG2-PS	STD:MPEG2-PS	STD:MPEG2-PS
Video Mode(Resolution)		HD: 1920 x 1080/50p 25p, 50i (FX,FH) 1440 x 1080/50i (HQ,LP) STD: 720 x 576/50i	HD: 1920 x 1080/50p 50i (FX,FH) 1440 x 1080/50i (HQ,LP) STD: 720 x 576/50i	HD: 1920 x 1080/50p 50i (FX,FH) 1440 x 1080/50i (HQ,LP) STD: 720 x 576/50i	HD: 1920 x 1080/50p 50i (FX,FH) 1440 x 1080/50i (HQ,LP) STD: 720 x 576/50i
Still Image size	Photo Mode	12.3 megapixels 16:9 (4672x2628) 9.2 megapixels 4:3 (3504x2628) 3.3 megapixels 4:3 (2112x1584) 307K pixels 4:3 (640x480)	3.3 megapixels 4:3 (2122x1584) 2.5 megapixels 16:9 (2122x1188) 1.9 megapixels 4:3 (1600x1200) 0.3 megapixels 4:3 (640x480)	3.3 megapixels 4:3 (2122x1584) 2.5 megapixels 16:9 (2122x1188) 1.9 megapixels 4:3 (1600x1200) 0.3 megapixels 4:3 (640x480)	3.0 megapixels 16:9 (2304x1296) 2.2 megapixels 4:3 (1728x1296) 3.3 megapixels 4:3 (2112x1584) 2.5 megapixels 16:9 (2112x1188) 1.9 megapixels 4:3 (1600x1200) 307K pixels 4:3 (640x480)
	Movie Mode	12.3 megapixels 16:9 (4672x2628) 9.2 megapixels 4:3 (3504x2628)	3.0 megapixels 16:9 (2304x1296) 2.2 megapixels 4:3 (1728x1296)	3.0 megapixels 16:9 (2304x1296) 2.2 megapixels 4:3 (1728x1296)	3.0 megapixels 16:9 (2304x1296) 2.2 megapixels 4:3 (1728x1296)
Flash		Built-in Flash	---	---	---
LCD Monitor		7.5cm(3.0 type) Xtra Fine LCD™ display(921K) Wide(16:9) w/TruBlack™ technology	7.5cm(3.0 type) Clear Photo LCD Plus™ display (230K) Wide(16:9)	7.5cm(3.0 type) Clear Photo LCD Plus™ display (230K) Wide(16:9)	7.5cm(3.0 type) Clear Photo LCD Plus™ display (230K) Wide(16:9)
Microphone Speaker		Built-in Zoom Microphone Clear Phase Stereo Speaker	Built-in Zoom Microphone Monoral Speaker	Built-in Zoom Microphone Monoral Speaker	Built-in Zoom Microphone Clear Phase Stereo Speaker
S-Master Digital Amplifier		Yes	Yes	Yes	Yes

Wind Noise Reduction	Yes(Off/On)	Yes(Off/On)	Yes(Off/On)	Yes(Off/On)
Intelligent Auto	Portrait/Baby/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light
Goft Shot	Yes	Yes	Yes	Yes
Direct Copy Compatible	Yes	Yes	Yes	Yes
AF Mode	Auto/Manual(Touch Panel/Dial)	Auto/Manual(Touch Panel)	Auto/Manual(Touch Panel)	Auto/Manual(Touch Panel)
Viewfinder	Yes	---	---	---
Tele Marco	Yes	Yes	Yes	Yes
Built-in USB Cable	Yes(USB Charge Available)	---	Yes(USB Charge Available)	---
Pre installed “PMB Portable”	Yes	Yes	Yes	Yes
Scene Selection	Auto/Twilight/Twilight Portrait(Photo Mode only)/Sunrise & Sunset/Fireworks/Landscape/Portrait / Spotlight/Beach/Snow	Auto/Twilight/Twilight Portrait (Photo Mode only)/Sunrise & Sunset/Fireworks/Landscape/Portrait /Spotlight/Beach/Snow	Auto/Twilight/Twilight Portrait (Photo Mode only)/Sunrise & Sunset/Fireworks/Landscape/Portrait /Spotlight/Beach/Snow	Auto/Twilight/Sunrise & Sunset/Fireworks/Landscape/Portrait / Spotlight/Beach/Snow
Fader	White/Black	White/Black	White/Black	White/Black
Dimensions (WxHxD) (including supplied battery)	Approx.62mm x 72.5mm x 139mm (Approx.92mm x 76.5mm x 174mm(including Lens Hood))	Apprpx.52.5x57x113.5mm(52.5x57x123.5mm) Approx.2 1/8inch x 2 1/4inch x 4 1/2inch(2 1/8inch x 2 1/4inch x 4 7/8inch)	Apprpx.52.5x57x113.5mm(52.5x57x123.5mm) Approx.2 1/8inch x 2 1/4inch x 4 1/2inch(2 1/8inch x 2 1/4inch x 4 7/8inch)	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.395g	Approx.250g	Approx.250g	Approx. 350g
Battery Info. InfoLITHIUM Battery	InfoLITHIUM® with AccuPower™ Meter System (V Series)	InfoLITHIUM® with AccuPower™ Meter System (V Series)	InfoLITHIUM® with AccuPower™ Meter System (V Series)	InfoLITHIUM® with AccuPower™ Meter System (V Series)
Interface	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi- speed BRAVIA® Sync™ PhotoTV HD Headphone Jack Microphone Input DC IN A/V Remote terminal Accessory Shoe	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi- speed BRAVIA® Sync™ PhotoTV HD Microphone Input DC IN A/V Remote terminal	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi- speed BRAVIA® Sync™ PhotoTV HD DC IN A/V Remote terminal	HDMI Mini Connector Memory Card Slot USB Port(s) TypeA, mini- AB/USB2.0 Hi- speed BRAVIA® Sync™ PhotoTV HD Microphone Input DC IN A/V Remote terminal

Supplied Accessories	Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM ("Handycam" Application Software) (1) Remote Commander (RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1)	Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM ("Handycam" Application Software) (1) "Operating Guide"(1)	Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM ("Handycam" Application Software) (1) "Operating Guide"(1)	Rechargeable Battery Pack(NP-FV50) (1) AC Adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Connection Support Cable (1) CD-ROM ("Handycam" Application Software) (1) "Operating Guide"(1)
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