

**SONY**  
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**NEWS RELEASE:** *Immediate*

**Experience full HD video image quality, audio and ergonomics with  
the Handycam® NEX-VG20E by Sony**

*E-mount system interchangeable lens camcorder with 16.1-megapixel resolution, AVCHD  
50p/25p and new touchscreen*



**Kuala Lumpur, December 2011** – The new Handycam® NEX-VG20E camcorder from Sony broadens creative possibilities for shooting cinematic Full HD video and high-resolution still photos.

Offering comprehensive manual controls, the NEX-VG20E lets videographers explore the artistic potential of the growing range of E-Mount lenses. With refined ergonomics, improved

imaging quality and upgraded sound, it provides several enhancements over the acclaimed NEX-VG10E – the world’s first consumer HD camcorder with interchangeable lenses.

With a resolution of 16.1 effective megapixels, the Exmor APS HD CMOS sensor assures outstanding video image quality, with extremely low noise in low light. It also captures pristine 16 megapixel still photos, with RAW format support for all the post-processing flexibility that’s familiar to DSLR users<sup>1</sup>. Whether you’re shooting video or stills, the large sensor rivals the expressive picture quality of a DSLR camera. This allows the creation of beautiful background defocus ('bokeh') effects with your E-mount lens collection.

Full HD video shooting in AVCHD format is now complemented by a choice of 50p and 25p (progressive) frame rate options. Footage shot at 25p can be enhanced with Cinema Tone Gamma™ and Cinema Tone Colour™ for an even richer, more cinematic look.

Dialogue and other sounds are captured by the precision Quad Capsule Spatial Array Microphone that now supports stereo and 5.1 channel surround. There’s a new audio level control, plus pro-style jacks for an external mic and monitoring headphones.

Several ergonomic refinements let videographers shoot HD video and stills in even greater comfort. The camcorder’s handgrip has been redesigned that offers excellent stability. Allowing manual adjustment of exposure, iris and other settings, the pro-style control dial can now be accessed even when LCD panel is closed.

Button layout has also been revised with ‘hard’ function keys, direct access to each shooting mode (Iris, Shutter speed, Program AE), a second REC button for low-angle shots and expanded focus button – all sited for intuitive operation without taking your eye from the electronic viewfinder.

Shots can also be framed and reviewed on the 7.5cm/3" Xtra Fine LCD that features TruBlack technology for clear, high contrast images. The screen can be rotated over a 270 degree range for easy framing in any position, even with the camera held low. Touch panel operation simplifies fingertip operation of shooting functions.

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<sup>1</sup> Effective 16 megapixel still image resolution in JPEG mode

**The Handycam® NEX-VG20EH comes with the SEL18200 F3.5-6.3 E-mount lens.**

With a wide 11x optical zoom range and built-in Optical SteadyShot, this versatile lens offers smooth, quiet autofocus operation during movies and still shooting.

There is now a choice of seven E-mount lenses to cover virtually any shooting situation. Also available, the optional LA-EA2 lens mount adaptor gives even wider compatibility with the established family of A-mount optics. Translucent Mirror Technology supports high-speed phase-detection AF that keeps even fast-moving subjects in focus.

The Handycam NEX-VG20E Full HD E-mount system camcorder from Sony will be available in Malaysia from November 2011 onwards.

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**About Sony Malaysia**

Sony (Malaysia) Sdn Bhd began operations in Malaysia on 31 October 1973. The company specialises in marketing, sales and service for a wide range of consumer electronics products as well as broadcast & professional products and solutions. There are in total 70 Sony Store and Sony Centre outlets nationwide, offering consumers the latest Sony products and services.

**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” symbolises 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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## Specification Sheet

<b>Camera</b>	Camera Type	Interchangeable Lens Digital HD Video Camera Recorder
	Lens Compatibility	Sony E-Mount lens
	Lens Mount Type	E-Mount
<b>Imaging Sensor</b>	Imaging Sensor	Exmor APS HD CMOS sensor(23.5 x 15.6mm)
	Processor	BIONS image processor
	Anti Dust	Charge protection coating on Filter and electromagnetic vibration mechanism
	Pixel Gross	Approx. 16.7 megapixels
	Effective Picture Resolution	Approx. 16.1 megapixels(3:2 Still)/Approx. 13.6 megapixels(16.9 movie)
	Colour Filter System	RGB Primary colour filters
	Focal Length Conversion Factor	1.5 x
<b>Recording</b>	Media Type	Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)
	Still Image File Format	DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible
	Still Image Mode	JPEG/JPEG+RAW/RAW
	Still Image Max Effective	16.0 megapixels
	Still Image Size(Photo Mode)	16.0 megapixels 3:2 (4912 x 3264) 13.6 megapixels 16:9 (4912 x 2760) 8.4 megapixels 3:2 (3568 x 2368) 7.1 megapixels 16:9 (3568 x 2000) 4.0 megapixels 3:2 (2448 x 1624) 3.4 megapixels 16:9 (2448 x 1376)
	Video Format	HD:MPEG4-AVC/H.264 AVCHD™ ver.2.0 format compatible STD:MPEG2-PS
	Video Mode(Resolution)	HD:1920x1080/50p, 25p, 50i(FX,FH), 1440x1080/50i (HQ,LP) STD:720x576/50i
	Movie Recording Rate(Average Bit Rate/VBR)	HD PS:Approx.28Mbps/FX:Approx.24Mbps/FH:Approx.17Mbps /HQ:Approx.9Mbps/LP:Approx.5Mbps STD HQ:9Mbps
	Video Signal	HD:HDTV 1080/50p, 25p, 50i STD:PAL colour, CCIR standards

	Progressive Mode	HD:50p/25p, Progressive recording
	Photo Capture from Movie	2.1 megapixels 16:9 (1920x1080) 307K pixels 4:3 (640x480) 230K pixels 16:9 (640x360)
	Audio Format	Dolby® Digital 5.1ch, Dolby® Digital 5.1Creator Dolby® Digital 2ch stereo
	Microphone/Speaker	Built-in Microphone Monoral Speaker
	Wind Position	Yes(Auto)
	Wind Noise Reduction	Yes(Off/On)
	Mic Level Control	Yes(31steps)
	Play List Edit	-
<b>Viewfinder</b>	Type	Swivel EVF 0.43 Xtra Fine 1152k dots equivalent w/ Brightness control
	Diopter Adjustment	Yes
	Field of View	100%
<b>LCD Display</b>	LCD Type	3.0 Xtra Fine LCD™ 270 degree swivel display w/ TruBlack™ technology
	Touch Panel	Yes
	Angle Adjustment	Opening Angle:max.90 deg., Turning Angle:max.270 deg.
	Brightness Control	Yes (Menu)
	Coverage	100%
	Live View	Yes
	Real time image-adjustment display	Exposure Compensation, WB
	Histogram	Yes
	Grid Display	Yes(Off/On)
<b>Focus Control</b>	Focus System	Contrast AF
	Focus Points	25 points
	AF Modes	Single-shot AF, Continuous AF, Direct Manual Focus, Manual Focus
	Direct Manual Focus	Yes
	Focus Area	Multi Point AF(25 points)
	Manual Focus Assist	Magnified display for precise manual focus Peaking Display
	Focus Sensitivity	0 EV to 20 EV ( at ISO100 conversion with F2.8 lens)
	Focus Features	Tracking Focus
<b>Exposure System</b>	Metering Modes	Multi-segment, touch spot
	Metering	63 Segment metering from CMOS image sensor
	Metering Sensitivity	0EV-20EV ( at ISO100 conversion with F2.8 lens)

	Exposure Compensation	AE Shift(Dial/Touch Panel)
	Exposure Settings	Auto Flexible Spot(Touch Panel) Manual(Dial)
	D-RangeOptimizer	Yes
	ISO	Still Mode Only: Auto, Manual(100 to 25600)
	Backlight Compensation	Yes(Auto)
	Noise Reduction	Yes
	Creative Style	-
	White Balance Mode	Auto/Onepush/Outdoor/Indoor
	WB Shift	Yes
	Colour temperature	-
	Minimum Illumination	9 lux(1/50 Shutter Speed F3.5)
	Manual Exposure Assist	Zebra Pattern Display
<b>Drive System</b>	Drive Mode	Photo Mode: Single-shot/Continuous/Bracket 0.3EV/Bracket 0.7EV
	Shutter Type	Electronically-controlled, vertical-traverse, focal-plane type
	Continuous Shooting Speed	6fps
	Self-timer	Approx.10sec.(Still Image)
	Shutter Speed Auto Control Range	1/50-1/4000 (movie) , 30s-1/4000 (Still)
	Shutter Speed(Manual Shutter)	1/4-1/8000 (movie) , 30s-1/4000 (Still)
<b>Convenient Features</b>	Built-in USB Cable	-
	Quick On	Yes
	Manual/Auto Lens Cover	Manual
	S/S & Zoom button on LCD	Yes(Touch Panel , S/S Only)
	Red Eye Reduction	Yes(On/Off)
	Digital Picture Effects/Picture Effects	-/-
	Date/Time Stamp	Yes(Rec Date and Time, Camera info)
	Erase/Protect	Yes/Yes
	Media/Battery Indicator	Yes(recordable time, free and used media space)/Yes(recordable time, remaining capacity)

On Screen Main Indicators	Zoom Position Flash Status Recording/Playback/Editing Media Recording Status Recording Mode Recording Image Quality(HD/STD) Photo Size AE Parameters Histogram	
Multiple Language Display	English, Simplified English, Traditional Chinese, Simplified Chinese, French, Italian, Italian, Spanish, Dutch, Russian, Portuguese, Greek, Thai, Polish, Czech, Hungarian, Roma	
Menu Customization	-	
Power Save Mode	Auto Shut-off(5minutes)	
Still Image Playback Options	Slide Show	
Remote Control	Yes	
Self Recording	Yes	
One Touch Disc Burn	Yes(Menu)	
Colour Slow Shutter	-	
Easy Handycam/Help Function	-/-	
<b>Advanced Features</b>	Audio Level Display	Yes
	Anti Motion Blur	-
	Auto High Dynamic Range	-
	Pre-installed "PMB Portable"	-
	Cinematone	Yes
	S-Master	-
	Assignable Dial	Yes(Exposure/Gain(ISO)/Iris/Shutter Speed/AE Shift/WB Shift Set)
	Embedded GPS	-
	Face Detection	Yes
	Priority Setting( for Face Detection)	Auto/Child Priority/Adult Priority
	Smile Shutter	-
	Golf Shot	-
	Smooth Slow Rec	-

	Intelligent Auto	-
	View&Index	Event
	NightShot® infrared System	-
	x.v.Color™	Yes
	Shockproof	-
<b>Flash</b>	Flash Type	Auto Lock accessory Shoe
	Flash Metering System	Pre-flash TTL
	Flash Modes	Auto/Forced/Slow Sync./Rear Sync./Prohibited
	Flash Compensation	Yes(+/-2EV , 1/3EV Step)
	HD Output	HDMI Out(mini)(sold separately)
		Component Video Out(Component A/V cable(supplied))
	3D HD Output	-
	USB Port(s)	mini-AB/USB2.0 Hi-speed (mass-storage/MTP)
	BRAVIA® Sync™	Yes
	PhotoTV HD	Yes
	DVDirect	Yes(DVD Writer supported(sold separately))
	Headphone Jack	Stereo Minijack
	Microphone Input	Stereo Minijack
	Direct Copy	Yes
	Accessory Shoe	Yes(Auto Lock accessory Shoe)
	Docking Station	-
	PictBridge Compatible	-
	DC IN	Yes
	Remote Terminal	integrated into A/V Remote terminal
	HDMI Terminal	Yes(mini)
A/V Remote Terminal	Video/S Video/Audio/Component Out/Remote	
<b>Weights and Measurements</b>	Dimensions(Approx.)(Wx HxD including supplied battery)	Approx. 91mm x 130mm x 223mm
		Approx. 3 5/8in x 5 1/8in x 8 3/4in
	Weight(Approx) (Main unit only)	645g
		1lb 6oz
	Weight(Approx.) (Total)	Approx.1290kg(NP-FV70)(supplied battery)(with SEL18200 LENS)
		Approx.2lb 13oz(NP-FV70)(supplied battery)(with SEL18200 LENS)
		Approx.1390g(NP-FV100)(with SEL18200 LENS)
Approx.3lb (NP-FV100)(with SEL18200 LENS)		
<b>Power</b>	Battery Type	InfoLITHIUM® with AccuPower™ Meter System (V Series) NP-FV70/FV100

	Charge on camcorder(Charging time with supplied Battery)	Yes(Approx. 3h 15min)
	Power Consumption (in View Finder Operation)	HD:4.0W(with SEL 18200 Lens) STD:3.8W(with SEL 18200 Lens)
	Power Consumption (in LCD Operation)	HD:4.4W(with SEL 18200 Lens) STD:4.2W(with SEL 18200 Lens)
	Power Requirements	7.2V (battery pack); 8.4V (AC Adaptor)
<b>In the Box</b>	Supplied Accessory	Rechargeable Battery Pack(NP-FV70) (1) AC Adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Cable (1) Body cap (1) Battery cover (1) Wind screen (1) Lager eye cup (1) CD-ROM("Handycam" Application Software) (1) Remote Commander(RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1) warranty card (1)
<b>Camera(details)</b>	Auto Non Flicker	Yes
	Gain Control	Auto/manual(0dB-30dB)
	Auto Control	Exposure, Colour, Focus
	Face Touch	Yes
	Smile Sensitivity	-
<b>Convenience Features(details)</b>	TV Connect Guide	-
	Image Management File Repair	Yes
	Fast Playback	About 5 times/10 times/30 times/60 times
	Slow Playback	Forwad:1/5 speed, Reverse:1/2 speed
	Date&Time, Summer Time, Area Set	Yes
	Auto Date&Time, Area Adjustment by GPS	-
	Quick Format(Initialize)	Memory Card