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SANYO

Xacti



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SANYO's range of Xacti Dual Cameras - Photos & Videos  

Whilst every care is taken to ensure that the details contained within this brochure are correct at the time of printing, they are intended as a guide only and do not constitute an offer.
The SANYO policy is one of continuous improvement so it is possible that alterations to specification and imagery may have occurred since printing.



Xacti

It's not just a Camcorder.
It's a Dual Camera.

Xacti Dual - Photos & Videos

Xacti Dual Cameras combine the benefits of digital still cameras and camcorders in one unit, offering users the freedom to not only take both photos and videos separately, but also seamlessly. SANYO Xacti Dual Cameras are the only cameras that feature a unique slide-show function capable of viewing both photos and videos without having to stop and switch modes, both when viewing on the camera or when watching on a television.

With cameras ready to record high definition videos and take high resolution photos in both vertical and horizontal versions, providing more options to choose the right Xacti for each lifestyle. The cameras are small and compact, making them ultra-portable and easy to hold for active filming and shooting while on the go.

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1 VPC-FH1

FULL HD DUAL CAMERAS

The Full HD Xacti Dual Cameras are truly the benchmark in high definition, offering 1920 (horizontal) x 1080 (vertical) pixels, and the world's first 60 frames per second progressive scan camera which records crystal clear and smooth motion for videos. With the SANYO proprietary CMOS engine, and this higher frame rate capturing ability, videos look more professional, and offer smoother, more beautiful images.

Also, these fully equipped Full HD models offer the latest in zooming technology, with a special 16x advanced zoom function. The new-style zoom gives a broader view as it zooms in, meaning more of the scene makes it into the frame than ever before.



TRUE PROGRESSIVE/8M PHOTOS AND FULL HD VIDEOS

- 1 True progressive Full HD (1920 x 1080) 60fps
- 2 8-Megapixel photos and High-Speed Sequential Shooting (12fps*)
- 3 High-speed video (240 fps/600 fps) for slow-motion playback (1/4, 1/10 of normal video speed)
- 4 Other features:
 - 16x advanced zoom (160x digital zoom) for video
 - 10x optical zoom for photo
 - HDMI output
 - Large 3.0" LCD monitor
 - Face Chaser technology can detect up to 12 faces
 - 3D DNR noise-reducing function for clearer, more professional-looking videos
 - Compatible with Xacti Library, for easy saving and access to photos and videos with just about any external hard drive (HDD)
 - 12-Megapixel photo output (real-time interpolation)



2 VPC-HD2000



16x
Advanced
Zoom



TRUE PROGRESSIVE/8M PHOTOS AND FULL HD VIDEOS

- 1 True progressive Full HD (1920 x 1080) 60fps
- 2 8-megapixel photos and High-Speed Sequential Shooting (12 fps*)
- 3 High-speed video (240fps/600fps) for slow-motion playback (1/4, 1/10 of normal video speed)
- 4 Other features:
 - 16x advanced zoom (160x digital zoom) for video
 - 10x optical zoom for photo
 - HDMI output via docking station
 - Large 2.7" LCD monitor
 - Face Chaser technology can detect up to 12 faces
 - 3D DNR noise-reducing function for clearer, more professional-looking videos
 - Compatible with Xacti Library, for easy saving and access to photos and videos with just about any external hard drive (HDD)
 - 12-Megapixel photo output (real-time interpolation)
 - External Microphone Jack



3 VPC-WH1

WATERPROOF DUAL CAMERAS

With a conventional digital camera or camcorder, many users are understandably reluctant to film or shoot in the rain or other wet environments, for the obvious fear of damaging the camera. The VPC-WH1 and VPC-CA9, however, have earned the highest possible IEC 60529 waterproof rating - IPX8 - allowing high definition 1280 x 720, 30 fps footage to be captured without worrying about the effects of water or snow.

The VPC-CA9 is operable down to a water depth of up to 1.5 meters (5 feet), while the VPC-WH1 is submersible down to 3 meters (10 feet).



WATERPROOF / HD-QUALITY PHOTOS AND HD VIDEOS

- 1 Dual Camera waterproof up to 3 meters (10 feet)
- 2 30x optical zoom
- 3 2-megapixel photos and 720p high-definition video
- 4 2-megapixel sequential shooting (13fps)
- 5 3-hour 20-minute recording time
- 6 **Other features:**
 - 3D DNR noise-reducing function for clearer, more professional-looking videos
 - HDMI output
 - Face Chaser technology can detect up to 12 faces
 - 1500x digital zoom



4 VPC-CA9

FOR ACTIVE LIFESTYLES

With SANYO's advanced waterproofing technology, these cameras can be used without thinking twice in the rain, for marine sports such as surfing or snorkeling, or for winter sports such as skiing or snowboarding. These cameras keep up with active lifestyles, expanding the scope of opportunities.

The VPC-CA9 offers the enhanced functionality of 9-megapixel still images - a world-first for a waterproof HD dual camera. Meanwhile, the VPC-WH1 features 30x optical zoom for superior video-capturing. The waterproof SANYO Xacti Dual Cameras are usable year-round, perfect for activities on the go regardless of whether they are in the city, by the sea, or in the mountains.



WATERPROOF / 9M PHOTOS AND HD VIDEOS

- 1 Dual Camera waterproof up to 1.5 meters (5 feet)
- 2 9-megapixel photos and 720p high-definition video
- 3 High Speed Sequential shooting
- 4 **Other features:**
 - 3D DNR noise-reducing function for clearer, more professional-looking video
 - 5x optical zoom
 - High Speed Sequential Shooting
 - 2.5" LCD monitor
 - Face Chaser technology can detect up to 12 faces
 - 60x digital zoom

5 VPC-TH1

COMPACT HD DUAL CAMERAS

With the increasing demand for high definition equipment, SANYO's 2009 Xacti Dual Camera line-up are all designed to record high definition video. SANYO's 'compact HD Models' are all compatible with 720p (1280 x 720) and are able to record in 30 frames per second, not to mention the HD quality photos the units take, putting high definition into the palm of anyone who uses a Xacti Dual Camera. Also, the VPC-TH1 has an incredible 3-hr 20-min long continuous recording time.



720p HD Movie MPEG-4 AVC/H.264

30 x Optical Zoom

STYLISH / HD QUALITY PHOTOS AND HD VIDEOS

- 1 30x optical zoom
- 2 2-Megapixel photos and 720p HD videos
- 3 2-Megapixel sequential shooting (13fps)
- 4 3-hour 20-minute continuous recording

Other features:

- 5 3.0" widescreen LCD
- 3D DNR noise-reducing function for clearer, more professional-looking videos
- Face Chaser technology can detect up to 12 faces
- HDMI output
- 1500x digital zoom



6 VPC-CG10



10 Megapixel Photos

720p HD Movie MPEG-4 AVC/H.264

COMPACT AND SLIM / 10M PHOTOS AND HD VIDEOS

- 1 10-Megapixel photos and 720p HD video
- 2 3.0" widescreen LCD
- 3 5x optical zoom
- 4 **Other features:**
 - Face Chaser technology can detect up to 12 faces
 - High-Speed Sequential Shooting 7fps*
 - 3D DNR noise-reducing function for clearer, more professional-looking video
 - Newly designed lithium-ion battery
 - 60x digital zoom
 - 12-Megapixel photo output (real-time interpolation)



VPC-FH1		
Effective Pixel Count	Photo Video	Approx. 8.05 megapixels Full HD / Approx. 5.31 megapixels (in HD), Approx. 2.00 megapixels (in SD)
Image sensor		C-MOS sensor, 1/2.5 inch, approx. 8.10 megapixels
Recording Media		SD Memory Card (Up to 32 GB SDHC Memory Card)
Recording File Format	Photo Video	JPEG (DCF※ ¹ , DPOF※ ² , Exif Ver2.2※ ³ standard) ISO standard MPEG-4 AVC/H.264 (.MP4) Audio: 48kHz sampling, 16bit, 2ch, AAC compression
Resolution (Pixels)	- Photo - Sequential - Video *4	12M: 4000 × 3000 (Pictrise) 8M-H: 3264 × 2448 (low compression) 8M-S: 3264 × 2448 (standard compression) 6.0M (16:9): 3264 × 1840 (16:9) 2M (16:9): 1920 × 1080 (16:9) 2M: 1600×1200 (16:9) 0.9M (16:9): 1280 × 720 (16:9) 0.3M: 640 × 480 8M: 3264 × 2448 4M: 2288 × 1712 Full-HR: 1920 × 1080 (60fps 24Mbps) Full-HD: 1920 × 1080 (60fields/sec 16Mbps) Full-SHQ: 1920 × 1080 (30fps 12Mbps) HD-SHQ: 1280 × 720 (30fps 9Mbps) TV-SHQ: 640 × 480 (30fps 3Mbps)
Lens		Web-SHR: 448 × 336 (240fps Rec / 60fps Play, 1/4 Slow) Web-UHR: 192 × 108 (600fps Rec / 60fps Play, 1/10 Slow) f= 5.95 - 59.5mm F= 2.0 (wide - 2.8 (tele) Auto Focus 9 groups, 12 elements (4 aspheric elements, 8 aspheric surfaces) Built-in ND filter
Angle of view/Zoom ratio (35mm equiv.)		Photo : f=35.7 - 357mm x10 Video : f=41.7 - 666.9mm x16 TBD
Photo range		Standard : 50cm - ∞ (wide), 1.0m - ∞ (tele) Super macro : 1cm - 80cm (wide)
Shutter speed	- Photo - Sequential - Video	1/2 - 1/1000 sec. (Flash: 1/30 - 1/1500 sec., Lamp mode : Max. 2 sec.) 1/15 - 1/1000 sec. (No flash) 1/30 - 1/10000 sec. (High-sensitivity mode and Lamp mode : Max.1/15sec.)
Digital Zoom	- Shooting - Playback	Max. approx. 10x Total zoom range: 100x (Photo) / 160x (Video) Max. approx. 62.5x (12M) (mode varies with resolution)
Focus		Auto (Photo : 9-point AF/Spot AF, Video : Continuous area AF) Manual 22 step
Exposure Control		P (program AE), S (shutter speed priorityAE), A (aperture priority AE), M (manual exposure)
Scene Select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp*5
Digital Filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Centre-weighted, Spot
Minimum illumination for Video		Approx. ** lux (Auto mode, 1/30sec.) Approx. ** lux (Light sensitivity or Lamp mode, 1/15sec.)
Sensitivity		Auto (ISO 50~200) Manual ISO 50/100/200/400/800/1600/3200, Switching System)
Exposure Correction		±1.8EV (in 0.3EV steps)
Digital Image Stabilizer	Photo Video	Multi - calculation electric image stabilizer Electric image stabilizer
Face Chaser		Up to 12 faces at same time
Other Functions		Red-eye correction in Photos/Contrast correction in photos/Wind noise reduction
Self Timer		2 sec./10 sec.
White Balance	Auto Manual	Full auto TTL Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Forced (with slow synchro in Night Portrait mode) Off
Flash Range		GN= 4.0, Approx. 50cm to 4.0m (wide), Approx. 80cm to 2.9m (tele)
Audio		Microphone : Built-in stereo, Speaker : Built-in monaural (L/R mixed output)
Monitor		3.0 inch Low-temperature polysilicon TFT colour wide screen LCD Approx. 230,000 pixels (7-level brightness, 285-degree rotation)
Interface		AV output (Video : HDMI/Component video/S-video/Composite Video, NTSC/PAL; Audio : Stereo) USB2.0 (high-speed mode)
Languages		English/French/German/Spanish/Italian/Dutch/Russian/Portuguese/Turkish/Thai/Korean/Simplified Chinese/Traditional Chinese
Power Source		Lithium-ion battery (DB-L50, included :1900mAh)
Power Consumption		Using battery : 4.3 W (when shooting videos)
Approx Battery Life *5	Photo Video	Approx. ** Photos (CIPA standard) Approx. ** min., Continuous playback : Approx. ** min.
Dimensions / Volume		53.3(W)×57.3(H)×105.0(D)mm (maximum dimensions, excluding protruding parts, Approx. 253cc)
Weight		Approx. **g (Body only), Approx. **g (including battery and SD card)
Operating environment		Temperature 0-40°C, Humidity 30-90% (non-condensing)

*Note: These are pre-launch specifications and are subject to change

VPC-HD2000		
Effective Pixel Count	Photo Video	Approx. 8.05 megapixels Full HD / Approx. 5.31 megapixels (in HD), Approx. 2.00 megapixels (in SD)
Image sensor		C-MOS sensor, 1/2.5 inch, approx. 8.10 megapixels
Recording Media		SD Memory Card (Up to 32GB SDHC Memory Card)
Recording File Format	Photo Video	JPEG (DCF※ ¹ , DPOF※ ² , Exif Ver2.2※ ³ standard) ISO standard MPEG-4 AVC/H.264 (.MP4) Audio: 48kHz sampling, 16bit, 2ch, AAC compression
Resolution (Pixels)	- Photo - Sequential - Video *4	12M: 4000 × 3000 (Pictrise) 8M-H: 3264 × 2448 (low compression) 8M-S: 3264 × 2448 (standard compression) 6.0M (16:9): 3264 × 1840 (16:9) 2M (16:9): 1920 × 1080 (16:9) 2M: 1600 × 1200 (16:9) 0.9M (16:9): 1280 × 720 (16:9) 0.3M: 640 × 480 8M: 3264 × 2448 4M: 2288 × 1712 Full-HR: 1920 × 1080 (60fps 24Mbps) Full-HD: 920 × 1080 (60fields/sec 16Mbps) Full-SHQ: 1920 × 1080 (30fps 12Mbps) HD-SHQ: 1280 × 720 (30fps 9Mbps) TV-SHQ: 640 × 480 (30fps 3Mbps)
Lens		Web-SHR: 448 × 336 (240fps Rec / 60fps Play, 1/4 Slow) Web-UHR: 192 × 108 (600fps Rec / 60fps Play, 1/10 Slow) f= 6.3 - 63.0 mm F= 1.8 (wide) - 2.5 (tele) Auto Focus 8 groups, 11 elements (3 aspheric elements, 5 aspheric surfaces) Built-in ND filter
Angle of view/Zoom ratio (35mm equiv.)		Photo : f=38 - 380mm x10 Video : f=44.4 - 710mm x16 TBD
Photo range		Standard : 50cm - ∞ (wide), 1.0m - ∞ (tele) Super macro: 1cm - 80cm (wide)
Shutter speed	- Photo - Sequential - Video	1/2 - 1/1000 sec. (Flash: 1/30 - 1/1000 sec., Lamp mode : Max. 2 sec.) 1/15 - 1/1000 sec. (No flash) 1/30 - 1/10000 sec. (High-sensitivity mode and Lamp mode : Max.1/15sec.)
Digital Zoom	- Shooting - Playback	Max. approx. 10x Total zoom range: 100x (Photo) / 160x (Video) Max. approx. 62.5x (12M) (mode varies with resolution)
Focus		Auto (Photo : 9-point AF/Spot AF, Video : Continuous area AF) Manual 22 step
Exposure Control		P (program AE), S (shutter speed priorityAE), A (aperture priority AE), M (manual exposure)
Scene Select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp*5
Digital Filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Centre-weighted, Spot
Minimum illumination for Video		Approx. 6 lux (Auto mode, 1/30sec.) Approx. 2 lux (Light sensitivity or Lamp mode, 1/15sec.)
Sensitivity		Auto (ISO 50~200) Manual ISO 50/100/200/400/800/1600/3200, Switching System)
Exposure Correction		±1.8EV (in 0.3EV steps)
Digital Image Stabilizer	Photo Video	Multi - calculation electric image stabilizer Electric image stabilizer
Face Chaser		Up to 12 faces at same time
Other Functions		Contrast correction in photo/Wind noise reduction
Self Timer		2 sec./10 sec.
White Balance	Auto Manual	Full auto TTL Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Red-eye reduction (with slow synchro in Night Portrait mode) Forced (with slow synchro in Night Portrait mode) Off
Flash Range		GN= 6.2 Approx. 20cm to 6.0 (wide) Approx. 80cm to 5.0 (tele)
Audio		Microphone : Built-in stereo, Speaker : Built-in monaural (L/R mixed output)
Monitor		2.7 inch Low-temperature polysilicon TFT colour wide screen LCD, Approx. 230,000 pixels (7-level brightness, 85-degree rotation)
Interface		AV output* (Video : HDMI/Component video/S-video/Composite Video,NTSC/PAL : Audio : Stereo) Microphone input (Plug-in power type: 2.5mm microphone conversion cable) Headphone output (3.5mm Stereo mini-plug 16 to 32 ohm compatible) USB2.0 * (high-speed mode) *via docking station
Languages		English/French/German/Spanish/Italian/Dutch/Russian/Portuguese/Turkish/Thai/Korean/Simplified Chinese/Traditional Chinese
Power Source		Lithium-ion battery (DB-L50, included :1900mAh)
Power Consumption		Using battery : 4.3 W (when shooting videos)
Approx Battery Life *5	Photo Video	Approx. 355 Photos (CIPA standard) Approx. 135 min., Continuous playback : Approx. 350 min.
Dimensions / Volume		90.0(W)×112.6(H)×54.5(D)mm (maximum dimensions, excluding protruding parts, Approx. 272cc)
Weight		Approx. 268g (Body only), Approx. 311g (including battery and SD card)
Operating environment		Temperature 0-40°C, Humidity 30-90% (non-condensing)

*Note: These are pre-launch specifications and are subject to change

VPC-WH1		
Effective Pixel Count	Photo	Approx. 1.10 megapixels
	Video	Approx. 0.97 megapixels (in HD), Approx. 1.10 megapixels (in SD)
Image sensor		C-MOS sensor, 1/6 inch, approx. 1.10 megapixels
Recording Media		SD Memory Card (Up to 32GB SDHC Memory Card) Internal memory approx. 43MB
Recording File Format	Photo	JPEG (DCF※ ¹ , DPOF※ ² , Exif Ver2.2※ ³ standard)
	Video	ISO standard MPEG-4 AVC/H.264 (.MP4) Audio : 48kHz sampling, 16bit, 2ch, AAC compression
Resolution (Pixels)		
- Photo		2M: 1600 × 1200 (Pictrise) 1.1M: 1184 × 888 0.9M (16:9): 1280 × 720 (16:9) 0.3M: 640 × 480
- Sequential		2M: 1600 × 1200 1.1M: 1184 × 888
- Video *4		HD-SHQ: 1280 × 720 (30fps 9Mbps) TV-HR: 640 × 480 (60fps 6Mbps) TV-SHQ: 640 × 480 (30fps 3Mbps)
Lens		Focus distance : f=2.5 - 75.0 mm F=1.8(W) - 4.3(T) Auto Focus 7 groups, 10 elements (2 aspheric elements, 3 aspheric surfaces)
		Built-in ND filter
Angle of view/Zoom ratio (35mm equiv.)		Photo : f=43 - 1290mm x30 Video : f=43 - 1290mm x30
Photo range		Standard : 50cm - ∞ (wide), 1.0m - ∞ (tele) Super macro : 1cm - 100cm (wide)
Shutter speed	Photo	Photo : f=43 - 1290mm x30 Video : f=43 - 1290mm x301/2 - 1/1000 sec. (Flash: 1/30 - 1/1500 sec., Lamp mode : Max. 2 sec.)
- Sequential		1/2 - 1/500 sec. (Flash: 1/30 - 1/500 sec., Lamp mode : Max. 2 sec.)
- Video		1/15 - 1/500 sec. (No flash)
Digital Zoom	Shooting	1/30 - 1/10000 sec. (High-sensitivity mode and Lamp mode: Max.1/15sec.)
	Playback	Max. approx. 50x Total zoom range: 1500x (Photo, Video) Max. approx. 25x [2M] (mode varies with resolution)
Focus		Auto (Photo : 9-point AF/Spot AF, Video : Continuous area AF) Manual 22 step
Exposure Control		P (program AE), S (shutter speed priorityAE), A (aperture priority AE), M (manual exposure)
Scene Select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Underwater, Fireworks, Lamp* ⁵
Digital Filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Centre-weighted, Spot
Minimum illumination for Video		Approx. ** lux (Auto mode, 1/30sec.) Approx. ** lux (Light sensitivity or Lamp mode, 1/15sec.)
Sensitivity		Auto (ISO 50~200) Manual ISO 50/100/200/400/800/1600/3200, Switching System)
Exposure Correction		±1.8EV (in 0.3EV steps)
Digital Image Stabilizer	Photo	Multi-calculation electric image stabilizer
	Video	Electric image stabilizer
Face Chaser		Up to 12 faces at same time
Other Functions		Red-eye correction in Photos/Contrast correction in photos/Wind noise reduction
Self Timer		2 sec./10 sec.
White Balance	Auto	Full auto TTL
	Manual	Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Forced (with slow synchro in Night Portrait mode) Off
Flash Range		GN=3.8, Approx. 50cm to 4.2m (wide), Approx. 80cm to 1.8m (tele)
Audio		Microphone : Built-in stereo, Speaker : Built-in monaural (L/R Mixed output)
Monitor		2.5 inch Low-temperature polysilicon TFT colour wide screen LCD Approx. 150,000 pixels (7-level brightness, 285-degree rotation)
Interface		AV output (Video : HDMI/Composite Video, NTSC/PAL; Audio : Stereo) USB2.0 (high-speed mode)
Languages		English/French/German/Spanish/Italian/Dutch/Russian/Portuguese/Turkish/Thai/Korean/Simplified Chinese/Traditional Chinese
Power Source		Lithium-ion battery (DB-L50, included :1900mAh)
Power Consumption		Using battery : ** W (when shooting videos)
Approx Battery Life *5	Photo	Approx. ** Photos (CIPA standerd)
	Video	Approx. ** min., Continuous playback : Approx. ** min.
Dimensions / Volume		58.7(W)×62.8(H)×112.4(D)mm (maximum dimensions, excluding protruding parts), Approx. 327cc
Weight		Approx. **g (Body only), Approx. **g (including battery and SD card)
Operating environment		Temperature 0-40°C, Humidity 30-90% (non-condensing)

*Note: These are pre-launch specifications and are subject to change

VPC-CA9		
Effective Pixel Count	Photo	Approx. 9.02 megapixels
	Video	Approx. 7.31 megapixels (in HD), Approx. 8.44 megapixels (in SD)
Image sensor		C-MOS sensor, 1/2.5 inch, approx. 9.02 megapixels
Recording Media		SD Memory Card (Up to 32GB SDHC Memory Card) Internal memory approx. 43MB
Recording File Format	Photo	JPEG (DCF※ ¹ , DPOF※ ² , Exif Ver2.2※ ³ standard)
	Video	ISO standard MPEG-4 AVC/H.264 (.MP4) Audio: 48kHz sampling, 16bit, 2ch, AAC compression
Resolution (Pixels)		
- Photo		12M: 4000 × 3000 (Pictrise) 9M-H: 3456 × 2592 (low compression) 9M-S: 3456 × 2592 (standard compression) 6.7M (16:9): 3456 × 1944 (16:9)
- Sequential		2M: 1600 × 1200 0.9M (16:9): 1280 × 720 (16:9) 0.3M: 640 × 480
- Video *4		9M: 456 × 2592 2M: 1600 × 1200
		HD-SHQ:1280 × 720 (30fps 9Mbps) TV-HR: 640 × 480 (60fps 6Mbps) TV-SHQ: 640 × 480 (30fps 3Mbps)
Lens		f=6.3 - 31.7mm F=3.5 (wide) - 4.7 (tele) Auto Focus 8 groups, 11 elements (3 aspheric elements, 5 aspheric surfaces)
		Built-in ND filter
Angle of view/Zoom ratio (35mm equiv.)		Photo : f=38 - 190mm x5 Video : f=38 - 190mm x5
Photo range		Standard : 50cm - ∞ (wide), 1.0m - ∞ (tele) Super macro : 1cm - 80cm (wide)
Shutter speed	Photo	1/15 - 1/1500 sec. (No flash)
- Sequential		1/30 - 1/10000 sec. (High-sensitivity mode and Lamp mode : Max.1/15sec.)
- Video		Max. approx. 12x Total zoom range : 60x (Photo, Video)
Digital Zoom	Shooting	Max. approx. 62.5x [12M] (mode varies with resolution)
	Playback	Auto (Photo : 9-point AF/Spot AF, Video : Continuous area AF)
Focus		Manual 16 step
Exposure Control		P (program AE), S (shutter speed priorityAE), A (aperture priority AE), M (manual exposure)
Scene Select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Underwater, Fireworks, Lamp* ⁵
Digital Filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Centre-weighted, Spot
Minimum illumination for Video		Approx. ** lux (Auto mode, 1/30sec.) Approx. ** lux (Light sensitivity or Lamp mode, 1/15sec.)
Sensitivity		Auto (ISO 50~200) Manual ISO 50/100/200/400/800/1600/3200, Switching System)
Exposure Correction		±1.8EV (in 0.3EV steps)
Digital Image Stabilizer	Photo	Multi-calculation electric image stabilizer
	Video	Electric image stabilizer
Face Chaser		Up to 12 faces at same time
Other Functions		Red-eye correction in Photos/Contrast correction in photos/Wind noise reduction
Self Timer		2 sec./10 sec.
White Balance	Auto	Full auto TTL
	Manual	Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Forced (with slow synchro in Night Portrait mode) Off
Flash Range		GN= 3 Approx. 10cm to 1.7m (wide) Approx. 80cm to 1.3m (tele)
Audio		Microphone : Built-in stereo, Speaker : Built-in monaural (L/R Mixed output)
Monitor		2.5 inch Low-temperature polysilicon TFT colour wide screen LCD Approx. 150,000 pixels (7-level brightness, 285-degree rotation)
Interface		AV output (Video : Composite Video, NTSC/PAL; Audio : Stereo) USB2.0 (high-speed mode)
Languages		English/French/German/Spanish/Italian/Dutch/Russian/Portuguese/Turkish/Thai/Korean/Simplified Chinese/Traditional Chinese
Power Source		Lithium-ion battery (DB-L20, included :720mAh)
Power Consumption		Using battery : 3.1 W (when shooting videos)
Approx Battery Life *5	Photo	Approx. ** Photos (CIPA standard)
	Video	Approx. ** min., Continuous playback : Approx. ** min.
Dimensions / Volume		70.4(W)×111.4(H)×40.5(D)mm (maximum dimensions, excluding protruding parts), Approx. 192cc
Weight		Approx. **g (Body only), Approx. **g (including battery and SD card)
Operating environment		Temperature 0-40°C, Humidity 30-90%(non-condensing)

*Note: These are pre-launch specifications and are subject to change

VPC-TH1		
Effective Pixel Count	Photo	Approx. 1.10 megapixels
	Video	Approx. 0.97 megapixels (in HD), Approx. 1.10 megapixels (in SD)
Image sensor		C-MOS sensor, 1/6 inch, approx. 1.09 megapixels
Recording Media		SD Memory Card (Up to 32GB SDHC Memory Card) Internal memory approx. 43MB
Recording File Format	Photo	JPEG (DCF※ ¹ , DPOF※ ² , Exif Ver2.2※ ³ standard)
	Video	ISO standard MPEG-4 AVC/H.264 (.MP4) Audio : 48kHz sampling, 16bit, 2ch, AAC compression
Resolution (Pixels)		
- Photo		2M: 1600 × 1200 (Pictrise) 1.1M: 1184 × 888 0.9M (16:9): 1280 × 720 (16:9) 0.3M: 640 × 480
- Sequential		2M: 1600 × 1200 (13fps/29photos) 1.1M: 1184 × 888 (13fps/30photos)
- Video *4		HD-SHQ: 1280 × 720 (30fps) TV-HR: 640 × 480 (60fps) TV-SHQ: 640 × 480 (30fps)
Lens		f=2.5 - 75.0 mm F=1.8(W) - 4.3(T) Auto Focus 8 groups, 11 elements (3 aspheric elements, 5 aspheric surfaces)
		Built-in ND filter
Angle of view/Zoom ratio (35mm equiv.)		Photo : f=43 - 1290mm x30 Video : f=43 - 1290mm x30
Photo range		Standard : 50cm - ∞ (wide) 1.0m - ∞ (tele) Super macro : 1cm - 100cm (wide)
Shutter speed - Photo		1/2 - 1/500 sec. (Flash: 1/30 - 1/500 sec., Lamp mode : Max. 2 sec.)
- Sequential		1/15 - 1/1000 sec. (No flash)
- Video		1/30 - 1/10000 sec. (High-sensitivity mode and Lamp mode : Max.1/15sec.)
Digital Zoom - Shooting		Max. approx. 50x Total zoom range: 1500x (Photo, Video)
- Playback		Max. approx. 25x (2M) (mode varies with resolution)
Focus		Auto (Photo : 9-point AF / Spot AF, Video : Continuous area AF) Manual 22 step
Exposure Control		P (program AE), S (shutter speed priority AE), A (aperture priority AE), M (manual exposure)
Scene Select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp*5
Digital Filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Center-weighted, Spot
Minimum illumination for Video		Approx. 11 lux (Auto mode, 1/30sec.) Approx. 3 lux (Light sensitivity or Lamp mode, 1/15sec.)
Sensitivity		Auto (ISO 50~400) Manual (ISO 50/100/200/400/800/1600, Switching System)
Exposure Correction		±1.8EV (in 0.3EV steps)
Digital Image Stabilizer	Photo	Electric image stabilizer
	Video	Electric image stabilizer
Face Chaser		Up to 12 faces at same time
Other Functions		Red-eye correction in Photos/Contrast correction in photos/Wind noise reduction
Self Timer		2 sec./10 sec.
White Balance	Auto	Full auto TTL
	Manual	Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Forced (with slow synchro in Night Portrait mode) Off
Flash Range		GN= 4.0, Approx. 50cm to 4.4m (wide), Approx. 80cm to 1.9m (tele)
Audio		Microphone : Built-in stereo, Speaker : Built-in monaural (L/R Mixed output)
Monitor		3.0 inch Low-temperature polysilicon TFT colour wide screen LCD Approx. 230,000 pixels (7-level brightness, 285-degree rotation)
Interface		AV output (Video : HDMI/Component video/S-video/Composite Video, NTSC/PAL ; Audio : Stereo) USB2.0 (high-speed mode)
Languages		English/French/German/Spanish/Italian/Dutch/Russian/Portuguese/Turkish/Thai/Korean/Simplified Chinese/Traditional Chinese
Power Source		Lithium-ion battery (DB-L50, included :1900mAh)
Power Consumption		Using battery : 2.8 W (when shooting videos)
Approx Battery Life *5	Photo	Approx. 470 Photos (CIPA standard)
	Video	Approx. 200 min., Continuous playback : Approx. 570min.
Dimensions / Volume		53.3(W)×57.3(H)×105.0(D)mm (maximum dimensions, excluding protruding parts), Approx. 253cc
Weight		Approx. 226g (Body only), Approx. 269g (including battery and SD card)
Operating environment		Temperature 0-40°C, Humidity 30-90% (non-condensing)

*Note: These are pre-launch specifications and are subject to change

VPC-CG10		
Effective Pixel Count	Photo	Approx. 10.05 megapixels
	Video	Approx. 8.28 megapixels (in HD), Approx. 10.01 megapixels (in SD)
Image sensor		C-MOS sensor, 1/2.33 inch, approx. 10.66 megapixels
Recording Media		SD Memory Card (Up to 32GB SDHC Memory Card) Internal memory approx. 40MB
Recording File Format	Photo	JPEG (DCF※ ¹ , DPOF※ ² , Exif Ver2.2※ ³ standard)
	Video	ISO standard MPEG-4 AVC/H.264 (.MP4) Audio : 48kHz sampling, 16bit, 2ch, AAC compression
Resolution (Pixels)		
- Photo		12M: 4000 × 3000 (Pictrise) 10M-H: 3648 × 2736 (low compression) 10M-S: 3648 × 2736 (standard compression) 7.5M (16:9): 3648 × 2056 2M: 1600 × 1200
- Sequential		0.9M (16:9): 1280 × 720 (16:9) 0.3M: 640 × 480
- Video *4		10M: 3648 × 2736 2M: 1600 × 1200 (7fps/14photos)
		HD-SHQ: 1280 × 720 (30fps) TV-HR: 640 × 480 (60fps) TV-SHQ: 640 × 480 (30fps)
Lens		f=6.8 - 34.0 mm F=3.5 (wide) - 3.7 (tele) Auto Focus 8 groups, 11 elements (3 aspheric elements, 6 aspheric surfaces)
		Built-in ND filter
Angle of view/Zoom ratio (35mm equiv.)		Photo : f=38 - 190mm x5 Video : f=40 - 200mm x5
Photo range		Standard : 50cm - ∞ (wide) 1.0m - ∞ (tele) Super macro : 1cm - 100cm (wide)
Shutter speed - Photo		1/2 - 1/1500 sec. (Flash: 1/30 - 1/1500 sec., Lamp mode : Max. 2 sec.)
- Sequential		1/15 - 1/1500 sec. (No flash)
- Video		1/30 - 1/10000 sec. (High-sensitivity mode and Lamp mode: Max.1/15sec.)
Digital Zoom - Shooting		Max. Approx. 12x Total zoom range: 60x (Photo, Video)
- Playback		Max. approx. 62.5x (12M) (mode varies with resolution)
Focus		Auto (Photo : 9-point AF / Spot AF, Video : Continuous area AF) Manual 16 step
Exposure Control		P (program AE), S (shutter speed priority AE), A (aperture priority AE), M (manual exposure)
Scene Select		Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp*5
Digital Filter		Standard, Cosmetic, Monochrome, Sepia
Photometry		Multi, Centre-weighted, Spot
Minimum illumination for Video		Approx. 16 lux (Auto mode, 1/30sec.) Approx. 4 lux (Light sensitivity or Lamp mode, 1/15sec.)
Sensitivity		Auto (ISO 50~400) Manual (ISO 50/100/200/400/800/1600, Switching System)
Exposure Correction		±1.8EV (in 0.3EV steps)
Digital Image Stabilizer	Photo	Electric image stabilizer
	Video	Electric image stabilizer
Face Chaser		Up to 12 faces at same time
Other Functions		Red-eye correction in Photos/Contrast correction in photos/Wind noise reduction
Self Timer		2 sec./10 sec.
White Balance	Auto	Full auto TTL
	Manual	Sunny, Cloudy, Fluorescent, Incandescent, One-push
Flash		Auto, Forced (with slow synchro in Night Portrait mode) Off
Flash Range		GN= 4.0, Approx. 50cm to 2.3m (wide), Approx. 80cm to 2.2m (tele)
Audio		Microphone : Built-in stereo, Speaker : Built-in monaural (L/R Mixed output)
Monitor		3.0 inch Low-temperature polysilicon TFT colour wide screen LCD Approx. 230,000 pixels (7-level brightness, 285-degree rotation)
Interface		AV output (Video : HDMI/Component video/S-video/Composite Video, NTSC/PAL ; Audio : Stereo) USB2.0 (high-speed mode)
Languages		English/French/German/Spanish/Italian/Dutch/Russian/Portuguese/Turkish/Thai/Korean/Simplified Chinese/Traditional Chinese
Power Source		Lithium-ion battery (DB-L80, included :700mAh)
Power Consumption		Using battery : 2.7 W (when shooting videos)
Approx Battery Life *5	Photo	Approx. 180 Photos (CIPA standard)
	Video	Approx. 70 min., Continuous playback : Approx. 220min.
Dimensions / Volume		72.0(W)×112.8(H)×38.0(D)mm (maximum dimensions, excluding protruding parts), Approx. 167cc
Weight		Approx. 171g (Body only), Approx. 188g (including battery and SD card)
Operating environment		Temperature 0-40°C, Humidity 30-90% (non-condensing)

*Note: These are pre-launch specifications and are subject to change