

Think GAIA
For Life and the Earth

SANYO

It's not just a camcorder.

It's a
**Dual
Camera**



PHOTOS & VIDEOS



FULL HD
1920 x 1080

VPC-HD2000 Series

8M Photos & Full HD Videos

- ▶ True Progressive Full HD (1080 60p)
- ▶ 16x Advanced Zoom
- ▶ Xacti Library Function



Xacti

8M Photos & Progressive Full HD Videos, - vertical "grip" style -

8M Photos & 1080 60p Videos

The 8-megapixel CMOS of the Xacti HD2000 enables beautiful photos with vivid color and intricate detail. The MPEG-4 AVC/H.264 format creates small, easy to handle files, and longer recordings. The Xacti HD2000 also connects directly to a 16:9 HDTV via docking station.

High-Speed Sequential Shooting

The HD2000 is capable of high-speed sequential shooting at 6 frames per second (up to 9 frames) in [8M] mode, ensuring that you won't miss important shots. It also allows sequential shooting at 12 frame per second (up to 15 frames) in [4M] mode.

16x Advanced Zoom

The HD2000 offers 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 zoom than ever before.

Large 2.7" LCD Monitor

This large monitor makes it easy to see images. It rotates about 285 degrees for high/low angle shooting, or can be turned to see yourself. Closing the monitor activates stand-by mode, and opening it starts the Xacti HD2000 up for shooting.

HDMI Output

The supplied docking station has three ports for HDMI, component video and USB connection. This makes it extremely simple to watch recorded images on an HDTV, record images to a DVD or HD recorder, and connect to a PC or printer.

Build an Xacti Library onto an External Hard Disk Drive

A hard disk drive can be connected to the USB port of the supplied docking station to copy image files from Xacti without a PC, and view the images on a TV screen in their original high quality. An Album function organizes hard disk files.

· Face Chaser for Photos & Videos · 1/4 (240fps) & 1/10 (600fps) Super Slow · Digital Image Stabilizer for Photos & Videos

■ Various Shooting Mode

■ Other Features

| Scene select | Digital Filter |
|--|-----------------------------------|
| sports/portrait/ landscape/night portrait/ snow & beach/ fireworks/lamp | cosmetic/ monochrome/ sepia |

| | | | | | | | | | | | | | | |
|----------------------------|-----------------------|------------|--------------------------|---------------------------|----------------------|-----------------------|-----------------------|-------------------------|-------------------------------|------------------|-------------|---------------------------|------------|------------|
| In camera editing function | Versatile manual mode | 9-point AF | Talking navigation guide | Front-side headphone jack | Playback zoom & copy | Self-timer 2sec/10sec | Built-in Pop-up Flash | Voice recorder function | Included PC video editing kit | Stereo recording | Simple mode | Super Macro Shooting: 1cm | PictBridge | Exif Print |
|----------------------------|-----------------------|------------|--------------------------|---------------------------|----------------------|-----------------------|-----------------------|-------------------------|-------------------------------|------------------|-------------|---------------------------|------------|------------|

Multi-language Graphical User Interface:
English/ French/ German/ Spanish/ Italian/ Dutch/ Russian/ Portuguese/ Turkish/ Thai/ Korean/ Simplified Chinese/ Traditional Chinese

| | |
|---|---|
| Model Number | VPC-HD2000 Series |
| Effective pixel count | Photo: 8.0 megapixels Video: Full HD/5.31 megapixels (in HD), 2.00 megapixels (in SD) |
| Image sensor | C-MOS sensor, 1/2.5 inch, 8.10 megapixels |
| Recording media | SD Memory Card (Up to 32 GB SDHC Memory Card) |
| Recording file format | Photo: JPEG (DCF*1, DPOF*2, Exif Ver2.2*3, standard) Video: ISO standard MPEG-4 AVC/H.264 (MP4), Audio: 48 kHz sampling, 16 bit, 2 ch, AAC compression |
| Resolution(pixels) | Photo: [12 M]: 4000 x 3000, [8 M-H]: 3264 x 2448 (low compression), [8 M-S]: 3264 x 2448 (standard compression), [6.0 M (16:9)]: 3264 x 1840, [2 M (16:9)]: 1920 x 1080, [2 M]: 1600 x 1200 [0.9 M (16:9)]: 1280 x 720, [0.3 M]: 640 x 480 Video*4: [8 M]: 3264 x 2448, [4 M]: 2288 x 1712, [8 M]: 3264 x 2448 (6 fps, max.9 shots), [4 M]: 2288 x 1712 (12 fps, max.15 shots) [Full-HR]: 1920 x 1080 (60 fps, 24 Mbps), [Full-HD]: 1920 x 1080 (60 fields/sec., 16 Mbps), [Full-SHQ]: 1920 x 1080 (30 fps, 12 Mbps), [HD-SHQ]: 1280 x 720 (30 fps, 9 Mbps), [TV-SHQ]: 640 x 480 (30 fps, 3 Mbps) Lens [Web-SHR]: 448 x 336 (240 fps Rec / 60 fps Play, 1/4 Slow), [Web-UHR]: 192 x 108 (600 fps Rec/ 60 fps Play, 1/10 Slow) |
| Lens | 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 - 380 mm, 10x Optical Zoom, Video: f=44.4 - 710 mm, 16x Advanced Zoom |
| Photo range | Standard: 50 cm - ∞ (wide), 1.0 m - ∞ (tele), Super macro: 1 cm - 1 m (wide) |
| Shutter speed | Photo: 1/2 - 1/1000 sec. (Flash: 1/30 - 1/1000 sec., Lamp mode: Max. 4 sec.) Sequential Video: 1/15 - 1/1000 sec. (No flash) Video: 1/30 - 1/10000 sec. |
| Digital zoom | Shooting: Max. 10x (Total zoom range: 100x (Photo)/ 160x (Video)) Playback: Max. 62.5x ([12 M] mode, varies with resolution) |
| Focus | Auto (Photo: 9-point AF/ Spot AF, Video: Continuous area AF), Manual: 22 steps |
| Scene select | Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp |
| Digital filter | Standard, Cosmetic, Monochrome, Sepia |
| Photometry | Multi, Center-weighted, Spot |
| Minimum illumination for Video | 6 lux (Auto mode, 1/30sec.), 2 lux (High sensitivity or Lamp mode, 1/15sec.) |
| Sensitivity | Auto (ISO50 - 200), Manual (ISO50/ 100/ 200/ 400/ 800/ 1600/ 3200, Switching System) |
| Exposure correction | ±1.8 EV (in 0.3 EV steps) |
| Digital image stabilizer | Photo: Electronic image stabilizer Video: Electronic image stabilizer |
| Face Detection | up to 12 faces at same time |
| Electronic filter | 3DNR (Digital Noise Reduction) |
| Other functions | Wind noise reduction |
| Self timer | 2 sec / 10 sec. |
| White balance | Auto Manual: 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. 20 cm to 6.0 m (wide), Approx. 80 cm to 5.0 m (tele) |
| Audio | Microphone: Built-in stereo, Speaker: Built-in monaural (L/R mixed output) |
| Monitor | 2.7 inch Low-temperature polysilicon TFT color wide screen LCD, 230,000 pixels (7-level brightness, 285-degree rotation) |
| Interface | AV output* (Video: HDMI/ Component video/ S-video/ Composite Video, NTSC/ PAL; Audio: Stereo), Microphone input (Plug-in power type: 2.5 mm microphone conversion cable) Headphone output (3.5 mm 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: 1900 mAh) |
| Power consumption | Using battery: 4.3 W (when shooting videos) |
| Approx. Battery life*5 | Photo: 355 Photos (CIPA standard) Video: 135 min., Continuous playback: 350 min. |
| Dimensions/ Volume | 90.0(W) x 54.5 (D) x 112.6 (H) mm (maximum dimensions, excluding protruding parts), 272 cc |
| Weight | 268 g (Body only), 311 g (including battery and SD card) |
| Operating environment | Temperature 0 - 40 °C, Humidity 30 - 90% (non-condensing) |

Photo Capacities and Recording Times

| SD Memory Card | Video Recording Time (Total Time) | | | | | | | |
|----------------|-----------------------------------|---------------|---------------|---------------|----------------|---------------|---------------|------------|
| | Full-HR | Full-HD | Full-SHQ | HD-SHQ | TV-SHQ | Web-SHR | Web-UHR | Audio Only |
| 8GB | 43 min. 53 sec. | 1 hr. 5 min. | 1 hr. 27 min. | 1 hr. 55 min. | 5 hr. 32 min. | 2 hr. 9 min. | 2 hr. 9 min. | 130 hr. |
| 16GB | 1 hr. 28 min. | 2 hr. 11 min. | 2 hr. 54 min. | 3 hr. 51 min. | 11 hr. 6 min. | 4 hr. 19 min. | 4 hr. 19 min. | 261 hr. |
| 32GB | 2 hr. 56 min. | 4 hr. 22 min. | 5 hr. 48 min. | 7 hr. 42 min. | 22 hr. 12 min. | 8 hr. 38 min. | 8 hr. 38 min. | 525 hr. |

| SD Memory Card | Still Image Capacity | | | | | | | | | |
|----------------|----------------------|-------|--------|-----------|-----------|--------|-------------|---------|-----------------|-----------------|
| | 12M | 8M-H | 8M-S | 6M [16:9] | 2M [16:9] | 2M | 0.9M [16:9] | 0.3M | 8M (Sequential) | 4M (Sequential) |
| 8GB | 2,000 | 2,000 | 2,960 | 3,950 | 10,800 | 11,300 | 20,700 | 49,800 | 2,960 | 5,920 |
| 16GB | 4,020 | 4,020 | 5,940 | 7,920 | 21,700 | 22,700 | 41,600 | 99,800 | 5,940 | 11,800 |
| 32GB | 8,040 | 8,040 | 11,880 | 15,840 | 43,400 | 45,400 | 83,200 | 199,600 | 11,800 | 23,600 |

* Available video clip recording time is shown when a re-formatted card is inserted. * Photo capacities and video recording times are approximations only and may vary according to the memory card type and manufacturer, the subject and the shooting conditions. Particularly, when a low-speed SD card is used with Full-HR, Full-HD, Full-SHQ and HD-SHQ modes, consecutive shooting may be limited to only a few seconds. * When continuous recording time exceeds approximately 13 hours for audio, the file will be saved, and the subsequent data will be saved in a new file. Similarly, when the recording file size exceeds 4 GB, the file will be saved and subsequent data will be saved in a new file. (A new file is automatically created for every 4 GB. Although recording will continue until stopped, recording of video clips and sound will stop while files are being saved.) * The maximum recording time for one video clip at [Web-SHR] and [Web-UHR] is approximately 10 seconds (with no sound recording).

| | | | | | |
|-----------------------------|----------------------------------|-------------------|-----------------------|--------------------|--------------|
| Included Accessories | • CD-ROM (Xacti Software CD 1.0) | • S-V cable | • Li-ion battery pack | • Microphone cable | • Soft case |
| | • USB cable | • Component cable | • Docking station | • RC unit | • Hand strap |
| | | • USB adaptor | • AC adaptor | • Lens cap | |

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|-----------------------------|---|
| Optional Accessories | • Li-ion Battery: DB-L50 • Battery Charger: VAR-L50 • AC Adaptor: VAR-G9 |
| | • Wide Conversion Lens: VCP-L07W • Telephoto Conversion Lens: VCP-L16T |
| | • Semi-Fisheye Lens: VCP-L04F • 49mm Adaptor: VCP-AL4049 |
| | • Microphone: VCP-MP01 • C-PL Filter: VCP-F01PL • MC Lens Protector: VCP-F02P |

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*1 DCF (Design rule for Camera File system) is a standard designed by the Japan Electronics and Information Technology Association (JEITA) primarily to facilitate the use of image files from digital cameras with related devices. *2 DPOF (Digital Print Order Format) is a format for recording on storage media information specifying frames and numbers of copies for printing of images taken by digital cameras. *3 Exif Ver. 2.2 is an industry standard established for file formatting of images from digital cameras. *4 The actual frame rates for this model are 59.94 fps at 60 fps, 29.97 fps at 30 fps, 239.76 at 240 fps and 599.4 at 600 fps. *5 Number of pictures based on CIPA (Camera & Image Products Association) standards. Video times reflect shooting in [Full-HD] mode. Playback times reflect continuous playback. Actual times may vary.

Further details regarding this product can be accessed at www.sanyo.de

Caution: please consult the instruction manual to ensure safe and proper operation of the product.

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