

Think GAIA
For Life and the Earth

SANYO

It's not just a camcorder.

It's a
**Dual
Camera**



PHOTOS & VIDEOS



VPC-TH1 Series

HD Quality Photos & HD Videos

- ▶▶ Optical 30x Zoom
- ▶▶ HD 720p resolution
- ▶▶ 3.0" Wide LCD Monitor



Xacti

HD Quality (2M) Photos & HD (720p) Videos in a Compact Design

High-Quality 2M Photos & HD (720p) Videos

The 2-megapixel of the Xacti TH1 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 TH1 also connects directly to a 16:9 HDTV.

Large 3" 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 TH1 up for shooting.

High-Speed Sequential Shooting

The TH1 is capable of high-speed sequential shooting at 13 frames per second (up to 29 frames) in [2M] mode, ensuring that you won't miss important shots. It also allows sequential shooting at 13 frames per second (up to 30 frames) in [1.1M] mode.

Optical 30x Zoom (1,500x with Digital Zoom)

The Xacti TH1 incorporates a high-performance 30x optical zoom lens with a maximum aperture of F1.8, allowing distant subjects and people to be captured in beautiful quality. Combined with the 50x digital zoom, up to 1,500x zooming is possible.

HDMI Output

The TH1 makes it extremely simple to watch recorded images on a HDTV with optionally sold HDMI cable.

- Face Chaser for Photos & Videos
- Digital Image Stabilizer
- Long Life (200min.) Li-ion Battery

■ Various Shooting Mode

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

■ Other Features

In camera editing function	Versatile manual mode	9-point AF	Talking navigation guide	Playback zoom & copy	Self-timer 2sec/10sec	Internal flash	Voice recorder function	Stereo recording	Super Macro Shooting: 1cm	PictBridge	Exif Print	Red by TotalNation
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Multi-language Graphical User Interface:
English/ French/ German/ Spanish/ Italian/ Dutch/ Russian/ Portuguese/ Turkish/ Thai/ Korean/ Simplified Chinese/ Traditional Chinese

Model Number	VPC-TH1 Series	
Effective pixel count	Photo	1.1 megapixels
	Video	0.97 megapixels (in HD 16:9), 1.10 megapixels (4:3)
Image sensor	C-MOS sensor, 1/6 inch, 1.10 megapixels	
Recording media	SD Memory Card (Up to 32 GB SDHC Memory Card), Internal memory approx. 43 MB	
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	[2 M]: 1600 x 1200 (Pictrise), [1.1 M]: 1184 x 888, [0.9 M(16:9)]: 1280 x 720, [0.3 M]: 640 x 480
	Sequential Video*4	[2 M]: 1600 x 1200, [1.1 M]: 1184 x 888
Lens	Photo	[HD-SHQ]: 1280 x 720 (30 fps), [TV-HR]: 640 x 480 (60 fps), [TV-SHQ]: 640 x 480 (30 fps)
	Video	f=2.5 - 75.0 mm, F=1.8 (wide) - 4.3 (tele), 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 - 1290 mm x30, Video: f=43 - 1290 mm x30	
Photo range	Standard: 50 cm - ∞ (wide), 1.0 m - ∞ (tele), Super macro: 1 cm - 1 m (wide)	
Shutter speed	Photo	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	Max. 50x, Total zoom range: 1500x (Photo, Video)
	Playback	Max. 25x ([2 M] mode, varies with resolution)
Focus	Auto (Photo: 9-point AF/ Spot AF, Video: Continuous area AF), Manual	
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	11 lux (Auto mode, 1/30 sec.), 3 lux (High sensitivity or Lamp mode, 1/15 sec.)	
Sensitivity	Auto (ISO50 - 200), Manual (ISO50/ 100/ 200/ 400/ 800/ 1600, 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	Red-eye 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. 50 cm to 4.4 m (wide), Approx. 80 cm to 1.9 m (tele)	
Audio	Microphone: Built-in stereo, Speaker: Built-in monaural (L/ R mixed output)	
Monitor	3.0 inch Low-temperature polysilicon TFT color wide screen LCD, Approx. 230,000 pixels (7-level brightness, 285-degree rotation)	
Interface	AV output (Video: HDMI/ Composite Video, NTSC/ PAL, 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: 1900 mAh) (typ.)	
Power consumption	Using battery: 2.8 W (when shooting videos)	
Approx. Battery life*6	Photo	470 Photos (CIPA standard)
	Video	200 min., Continuous playback: 570 min.
Dimensions/ Volume	53.3 (W) x 105.0 (D) x 57.3 (H) mm (maximum dimensions, excluding protruding parts), Approx. 253 cc	
Weight	226 g (Body only), 269 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)			
	HD-SHQ	TV-HR	TV-SHQ	Audio Only
8GB	1 hr. 55 min.	2 hr. 51 min.	5 hr. 32 min.	130 hr.
16GB	3 hr. 51 min.	5 hr. 43 min.	11 hr. 6 min.	261 hr.
32GB	7 hr. 42 min.	11 hr. 26 min.	22 hr. 12 min.	522 hr.

SD Memory Card	Still Image Capacity					
	2M	1.1M	0.9M [16:9]	0.3M	2M(Sequential)	1.1M(Sequential)
8GB	5,790	7,110	7,540	9,570	5,790	7,110
16GB	11,600	14,200	15,100	19,200	11,600	14,200
32GB	23,200	28,400	30,200	38,400	23,200	28,400

* 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 HD-SHQ mode, 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.)

Included Accessories	• CD-ROM (Xacti Software CD 1.1)	• AV cable	• Grip belt
	• USB cable	• Li-ion battery pack	• AC adaptor

Optional Accessories	• Li-ion Battery: DB-L50	• Battery Charger: VAR-L50
	• AC Adaptor: VAR-G9	• Wide Conversion Lens: VCP-L07W1
	• Telephoto Conversion Lens: VCP-L15T	
	• Super Wide Conversion Lens: VCP-L04SW	

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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 and 29.97 fps at 30 fps. *5 For still images, only available in [1.1M] / [0.9M] / [0.3] mode. *6 Number of pictures based on CIPA (Camera & Image Products Association) standards. Video times reflect shooting in [HD-SHQ] 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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Technical specifications subject to change without notice. Date 02/2009