

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
- ▶ High Speed Sequential Shot
- ▶ 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.

## 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.

## 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.

## 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



### Multi-language Graphical User Interface:

English/ French/ German/ Spanish/ Italian/ Dutch/ Russian/ Portuguese/ Turkish/ Thai/ Korean/ Simplified Chinese/ Traditional Chinese

<b>Model Number</b>	VPC-TH1 Series	
<b>Effective pixel count</b>	Photo	Approx. 1.1 megapixels
	Video	Approx. 0.97 megapixels (in HD), Approx. 1.1 megapixels (in SD)
<b>Image sensor</b>	C-MOS sensor, 1/6 inch, approx. 1.1 megapixels	
<b>Recording media</b>	SD Memory Card (Up to 32 GB SDHC Memory Card), Internal memory approx. 43 MB	
<b>Recording file format</b>	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
<b>Resolution (pixels)</b>	Photo	[2 M]: 1600 x 1200, [1.1 M]: 1184 x 888, [0.9 M(16:9)]: 1280 x 720, [0.3 M]: 640 x 480
	Sequential	[2 M]: 1600 x 1200 (13 fps, max.29 shots), [1.1 M]: 1184 x 888 (13 fps, max.30 shots)
	Video*4	[HD-SHQ]: 1280 x 720 (30 fps, 9 Mbps), [TV-HR]: 640 x 480 (60 fps, 6 Mbps), [TV-SHQ]: 640 x 480 (30 fps, 3 Mbps)
<b>Lens</b>	30x Optical zoom lens, 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	
<b>Angle of View / Zoom ratio (35mm equiv.)</b>	Photo: f=43 - 1290 mm, Video: f=43 - 1290 mm (30x Optical zoom)	
<b>Photo range</b>	Standard: 50 cm - infinity (wide), 1.0 m - infinity (tele), Super macro: 1 cm - 1.0 m (wide)	
<b>Shutter speed</b>	Photo	1/2 - 1/500 sec. (Flash: 1/30 - 1/500 sec., Lamp mode: Max. 2 sec.)
	Sequential	1/15 - 1/500 sec. (No flash)
	Video	1/30 - 1/10000 sec. (High sensitivity mode/ Lamp mode: Max. 1/15 sec.)
<b>Digital zoom</b>	Shooting	Max. approx. 50x
	Playback	Max. approx. 25x ([2 M] mode, varies with resolution)
<b>Focus</b>	Auto (Photo: 9-point AF/ Spot AF, Video: Continuous area AF), Manual: 22 steps	
<b>Scene select</b>	Auto, Sports, Portrait, Landscape, Night Portrait, Snow & Beach, Fireworks, Lamp*5	
<b>Digital filter</b>	Standard, Cosmetic, Monochrome, Sepia	
<b>Photometry</b>	Multi, Center - weighted, Spot	
<b>Minimum illumination for Video</b>	Approx. 11 lux (Auto mode, 1/30 sec.), Approx. 3 lux (High sensitivity or Lamp mode, 1/15 sec.)	
<b>Sensitivity</b>	Auto (ISO50 - 200), Manual (ISO50/ 100/ 200/ 400/ 800/ 1600, Switching System)	
<b>Exposure correction</b>	±1.8 EV (in 0.3 EV steps)	
<b>Digital image stabilizer</b>	Photo	Electronic image stabilizer
	Video	Electronic image stabilizer
<b>Face Detection</b>	up to 12 faces at the same time	
<b>Other functions</b>	Red-eye correction in Photos/ Wind noise reduction	
<b>Self timer</b>	2 sec./ 10 sec.	
<b>White balance</b>	Auto	Full auto TTL
	Manual	Sunny, Cloudy, Fluorescent, Incandescent, One-push
<b>Flash</b>	Auto, Forced (with slow synchro in Night Portrait mode), Off	
<b>Flash range</b>	GN= 4.0, Approx. 50 cm - 4.4 m (wide), Approx. 80 cm - 1.9 m (tele)	
<b>Audio</b>	Microphone: Built-in stereo, Speaker: Built-in monaural (L/ R mixed output)	
<b>Monitor</b>	3.0 inch Low-temperature polysilicon TFTcolor wide screen LCD, Approx. 230,000 pixels (7-level brightness, 285-degree rotation)	
<b>Interface</b>	AV output (Video: HDMI/ Component video, Composite Video (NTSC/ PAL)), USB2.0 (high-speed mode)	
<b>Languages</b>	English/ French/ German/ Spanish/ Italian/ Dutch/ Russian/ Portuguese/ Turkish/ Thai/ Korean/ Simplified Chinese/ Traditional Chinese	
<b>Power source</b>	Lithium-ion battery (DB-L50, included: 1900 mAh (typ.))	
<b>Power consumption</b>	Using battery: 2.8 W (when shooting videos)	
<b>Approx. Battery life*6</b>	Photo	Approx. 470 Photos (CIPA standard)
	Video	Approx. 200 min., Continuous playback: Approx. 570 min.
<b>Dimensions/ Volume</b>	53.3 (W) x 105.0 (D) x 57.3 (H) mm (maximum dimensions, excluding protruding parts), Approx. 253 cc	
<b>Weight</b>	Approx. 226 g (Body only), Approx. 269 g (including battery and SD card)	
<b>Operating environment</b>	Temperature 0 - 40 °C (32 °F - 104 °F), 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
4GB	57 min. 32 sec.	1 hr. 25 min.	2 hr. 45 min.	64 hr.
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.

SD Memory Card	Still Image Capacity					
	2M	1.1M	0.9M [16:9]	0.3M	2M(Sequential)	1.1M(Sequential)
4GB	2,880	3,540	3,760	4,770	2,880	3,540
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

\* 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.)

<b>Included Accessories</b>	• CD-ROM (Xacti Software CD 1.1) • USB cable	• AV cable • Li-ion battery pack • AC adaptor	• Grip belt
<b>Optional Accessories</b>	• Li-ion Battery: DB-L50 • Battery Charger: VAR-L50 • AC Adaptor: VAR-G8 • Wide Conversion Lens: VCP-L07W1 <Available soon> • Telephoto Conversion Lens: VCP-L15T <Available soon> • Super Wide Conversion Lens: VCP-L04SW <Available soon> • mini HDMI Cable: VCP-HDMI02 <Available soon> • Component Cable: VCP-CPNT01		

Product appearance and specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective manufacturer. SANYO makes no warranties or representations of any kind with respect to these products.

\*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 <http://www.ca.sanyo.com>

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

Distributed by:



SANYO Canada Inc.