

NEW

AVCHD

1920x1080 recording

Face Detection for video & photo

MEMORY STICK PRO DUO

ClearVid CMOS sensor

Exmor™

ZEISS

DOLBY DIGITAL 5.1 CREATOR

x.v.Color

BRAVIA Sync

QUICK ON

Touch Panel

HDMI

Li-ion BATTERY

Sony's Handycam® camcorder, HDR-TG1, records Full HD 1920 x 1080 resolution video² from a small, light, and slim body crafted from pure titanium that's tough enough for travel or everyday HD video shooting. The HDR-TG1 records to convenient Memory Stick PRO Duo™ media⁸, and includes Sony® Face Detection technology which automatically finds and enhances a face, beautifully recording your videos and photos.

- 1920x1080 Recording
Record stunning, incredibly detailed video footage in the clarity of 1920 x 1080 Full HD resolution.
- Lightweight, Pure Titanium Body
Slim and lightweight -- only 8oz without the battery -- the HDR-TG1's body is constructed of high-quality pure titanium. Additionally, a Premium Hard Coating is applied on the body surface (except for hinge and lens ring area), providing superior resistance to scratches and fingerprints.
- Face Detection for Video Footage and Digital Still Photos
Made possible by the BIONZ™ image processing engine, Face Detection technology recognizes up to 8 faces anywhere in the frame and automatically controls focus, exposure, and color to help capture smiling faces brightly and clearly. Face Detection technology also helps make skin tones look natural without affecting other colors in the image.
- 2.3 Megapixel ClearVid™ CMOS sensor (with Exmor™ derived technology) and BIONZ™ image processor
Sony's newly designed CMOS image sensor delivers bright, vivid, and spectacularly detailed 2.3 megapixel (effective) video footage, as well as 4.0 megapixel still images -- all with prolonged battery life. Exmor™ technology captures images with high resolution and high sensitivity. In addition, the advanced Sony BIONZ™ image processor improves camera response time and screens out noise so the signal from each pixel is as pure as possible.



- Supremely Mobile Design
Sony has created a camcorder with the ability to fit in a shirt pocket, yet still capture stunning Full HD resolution video and 4.0 megapixel still images. Whether for personal or business use, around town or on vacation, the HDR-TG1 is the ideal travel companion for capturing those special memories.
- 2.7" Wide (16:9) Hybrid Touch Panel Clear Photo LCD Plus™ Display (211K Pixels)
The 2.7" Wide (16:9) LCD screen provides exceptional viewing clarity with improved resolution (211K pixels). The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The widescreen format makes shooting in 16:9 mode and composing shots even easier.
- Super SteadyShot® Image Stabilization System
An advanced version of Super Steadyshot® Picture Stabilization from Sony controls an even higher range of shake and vibration frequencies, to achieve an even higher level of smoothness without degradation of video like some other image stabilization systems.
- Professional Quality Carl Zeiss® Vario-Tessar® Lens
Carl Zeiss® Vario-Tessar® lenses use highly advanced optics to deliver vivid image brilliance, true-to-life color saturation, and perfect renditions of subtle tones.
- 10x Optical/20x Digital Zoom
The optical zoom helps to bring the action close up from far away. In addition, Digital Zoom Interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zoom.

- Built-in zoom microphone with 5.1ch recording
Featuring Dolby® Digital 5.1 Creator, the built-in zoom microphone focuses audio recording on your subjects in sync with the camera's zoom lens, helping memories ring true with clear dialogue and crisp, discrete sounds.

ADDITIONAL FEATURES

- Picture Motion Browser Software
- Dynamic Range Optimizer
- Dolby® Digital 5.1ch Recording
- Smooth Slow Recording
- x.v. Color™ Technology
- Dual Record
- Quick On
- PhotoTV HD Viewing⁶ with HDMI™ Output⁷
- Face Index
- Film Roll Index
- Handycam® Station
- One Touch Disc Burn



HDR-TG1

High Definition Handycam® camcorder

Specifications

General

Imaging Device: 1/5" ClearVid™ CMOS sensor (with Exmor™ technology)
 Pixel Gross: 2360K
 Recording Media: Memory Stick PRO Duo™ Media⁸
 Recording and Playback Times: When using supplied 4GB Memory Stick PRO Duo™ Media Mark2: High Definition: FH = up to 25 min., HQ = up to 30 min. SP = up to 65 min., LP = up to 85 min. Standard Definition: HQ = up to 55 min., SP = up to 80 min., LP = up to 160 min.
 Video Actual: 1430K Pixels (16:9) 1080K Pixels (4:3)
 Still Actual: 1490K Pixels (16:9) 1990K Pixels (4:3)
 Processor: BIONZ™ image processor
 Video Resolution: 1920 x 1080
 Still Picture Resolution: 4 megapixel

Audio

Audio Format: Dolby® Digital 5.1
 Microphone: Built-in Zoom Microphone

Convenience

SteadyShot® Image Stabilization:
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 White Balance: Auto, Outdoor, Indoor, One Push (via Touch panel)
 Still Image Mode(s): JPEG
 Face Detection: Yes - video and still
 Hybrid: N/A
 Quick On: Power On by LCD
 Dual Record: BIONZ™ image processor
 Memory Stick PRO Duo™ Media
 Compatibility: Tested to support up to 16GB media capacity; does not support high speed transfer function; does not support Access Control security function.

Convenience Features

Easy Operation: Yes
 Multiple Language Display: Yes
 Slide Show Mode: Yes
 Scene Mode(s): Auto, Twilight, Twilight Portrait, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
 Picture Effect(s): Sepia, Monotone, Pastel
 Digital Picture Effect(s): Old Movie
 PictBridge Compatible: Yes
 Dynamic Range Optimizer: Yes
 Fader Effect(s): Black, White
 Face Index: Yes
 Film Roll Index: Yes
 Photo Capture from Movie: Yes
 Dubbing Button: Yes
 x.v.Color™ : Yes
 BRAVIA® Sync™ : Yes

Video

Format(s) Supported: HD: MPEG4 AVC/H.264 SD: MPEG2
 Format: HD: MPEG4 AVC/H.264 SD: MPEG2
 Video Signal: NTSC color, EIA standards

Video Features

PhotoTV HD: Yes

Inputs and Outputs

Analog Audio/Video Output(s): Included (via A/V Remote Terminal)
 Digital Audio/Video Output(s): Yes (via USB)
 USB Port(s): Hi-speed (2.0 compliant)
 Component Video (Y/Pb/Pr) Output(s): Included (via A/V Remote Terminal)

S-Video Output(s): Available via A/V Remote (cable not included)
 HDMI™ Connection Output(s): Yes (mini)

Audio/Video Remote Terminal: Yes

Display

LCD Screen: 2.7" wide¹ touch panel Clear Photo LCD Plus™ display

Hardware

Docking Station: Yes (Handycam Station® cradle)
 Memory Stick slot: Memory Stick PRO Duo™ Media⁸
 Manual / Auto Lens Cover: Auto
 Light/Flash: BIONZ™ image processor

Optics/Lens

35mm Equivalent: 53 - 621mm (4:3 Camera Mode), 43 - 507mm (16:9 Camera Mode)
 Aperture: F 1.8-2.3
 Exposure: Yes (Touch Panel)
 Filter Diameter: N/A
 Focal Distance: 3.2 - 32.0mm
 Focus: Full range Auto / Manual (Touch Panel)
 Progressive Shutter Mode: Yes (Still Image)
 Shutter Speed: Auto, 1/2-1/500 (Scene Selection Mode)
 Optical Zoom: 10x
 Digital Zoom: 20x
 Lens Type: Carl Zeiss® Vario-Tessar®

Power

Power Consumption: 3.4W
 Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH50)
 Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)

Service and Warranty Information

Limited Warranty Term: Limited Warranty --- 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional, Windows Vista
 Supplied Software: Picture Motion Browser Ver.3.0.00 (Not supported on Mac OS)

Dimensions

Weight: 10oz (300g)
 Measurements: 1 5/16 x 4 3/4 x 2 1/2 inch (32x119x63mm)

Supplied Accessories

4GB² Memory Stick PRO Duo™ media (Mark 2)
 Power Adapter/In-Camera Charger (AC-L200)
 InfoLITHIUM® Rechargeable Battery (NP-FH50)
 Handycam Station™ cradle
 Component Video Cable
 Multi A/V Cable (Stereo)
 Application CD-ROM w/ Driver
 USB Cable long
 USB Cable short (travel)

UPC Code: 027242729810



1. Viewable area measured diagonally.
2. Camcorder captures high definition footage in the AVCHD™ format. Using the enclosed PC software, high definition footage can be copied onto DVD media. However, DVD media containing AVCHD footage should not be used with DVD based players or recorders, as the DVD player/recorder may fail to eject the media and may erase its contents without warning. DVD media containing AVCHD footage may be played on a compatible Blu-ray Disc™ player/recorder or other compatible device.
3. 4GB means 4 billion bytes. Available storage capacity may vary and a portion of the memory is used for data management functions.
4. Requires BRAVIA Sync feature in each product. Please refer to owner's manuals to determine compatibility.
5. HDMI cable sold separately.
6. Compatible BRAVIA® HDTV and special TV settings are required. See BRAVIA® TV instruction manual for details regarding PhotoTV requirements.
7. HD viewing requires a Sony® HDMI™ connector cable and HDTV, each sold separately.
8. Only use media bearing the Mark 2 logo (or other media suitable for high speed applications) when capturing AVCHD content to Memory Stick PRO Duo™ media.

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 Screen Images Simulated

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