



# HDR-TG5V

# HD Flash Memory Handycam® Camcorder

Record brilliant, 1920 x 1080 high definition video<sup>2</sup> on the go with the ultra-portable Sony® HDR-TG5V Handycam® camcorder. With a strong and lightweight pure titanium body and a built-in GPS receiver<sup>7</sup> that maps where you shot your videos and photos and can display your current location, the HDR-TG5V makes an ideal travel companion.

- 1920x1080 high definition video recording<sup>2</sup>  
1920 x1080 high definition resolution lets you record your memories in exceptional Sony® Full High Definition quality<sup>2</sup>.
- 16GB<sup>1</sup> embedded memory  
16GB<sup>1</sup> of embedded flash memory gives you the ability to record up to two hours of high definition video at the highest quality settings.
- Geotagging with built-in GPS receiver<sup>7</sup>  
A built-in GPS receiver<sup>7</sup> makes the HDR-TG5V an ideal choice for travelers. In addition to automatically adjusting your camcorder's clock to the proper time zone, the GPS receiver also gives you the ability to view your current location on the LCD map display, as well as "tag" your shooting locations. Tagged videos and still images can be reviewed and played back using the Map Index function on the camcorder or once downloaded to your PC using the supplied PMB (Picture Motion Browser) software<sup>9</sup>.
- Slim, light and durable pure titanium body  
The slim, sleek Sony® HDR-TG5V Handycam® camcorder is constructed of pure titanium. This remarkably durable and lightweight metal makes the HDR-TG5V an ideal travel companion that can be carried with ease and slipped into a pocket or purse reducing the risk of nicks and scratches.
- 4 megapixel still image capture  
4 megapixel still image capture lets you take high resolution digital photos.
- Built-in Intelligent Flash  
For added clarity and detail when taking pictures in low-light situations, the built-in flash reduces shadows and improves pictures.

- Face Detection technology 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 by selecting the most prominent, 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. With variable bit allocation, the HDR-TG5V allocates encoding bits on detected face areas prior to encoding other parts of the picture, making them sharper and clearer. In still picture mode, Face Detection technology sets the flash level to optimize picture clarity.
- Smile Shutter™ technology for still and dual capture  
Smile Shutter™ technology lets the camcorder automatically take still photos when your subject smiles, even while shooting high definition video. You can also set the sensitivity and choose child, adult, or auto priority.
- Carl Zeiss® Vario-Tessar® lens with SteadyShot® image stabilization  
The HDR-TG5V features a professional-quality Carl Zeiss® Vario-Tessar® lens designed specifically for compact camcorders. Precision ground optics help maintain the sharpness and contrast of larger lenses, and SteadyShot® image stabilization helps reduce blur caused by camera shake.
- 2.7" (diag.) wide touch panel Clear Photo LCD Plus™ display  
2.7" (diag.) wide (16:9) touch panel Clear Photo LCD Plus™ display provides excellent 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 convenient touch panel allows easy access to menus and additional functionality such as spot focus and spot metering.

### ADDITIONAL FEATURES

- Power On by opening LCD display
- 10X Optical / 120X Digital Zoom
- 1/5" Exmor™ CMOS image sensor with ClearVid™ array
- BIONZ™ Image Processor
- Highlight Playback
- Dolby® Digital 2ch stereo recording with Built-in Zoom Mic
- Auto Lens Cover
- Dual Record with simultaneous still image and video capture
- Hybrid Recording to 16GB<sup>1</sup> memory or optional Memory Stick® media
- Includes Sony® PMB (Picture Motion Browser) software<sup>9</sup>
- Smooth Slow Record
- x.v.Color™ technology for superior color
- BRAVIA® Sync™ technology<sup>5</sup>
- HDMI™ connection output via included cradle
- USB 2.0 interface
- Map Index
- Film Roll Index
- Face Index
- Dynamic Range Optimizer



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### Specifications

#### General

Imaging Device: 1/5" Exmor™ CMOS sensor with ClearVid™ array  
 Pixel Gross: 2360K  
 Recording Media: 16GB Embedded Flash memory Memory Stick PRO Duo™ Media (Sold Separately)  
 Recording and Playback Times: 16GB Flash Memory:  
 High Definition: FH = up to 110 min., HQ = up to 120 min. SP = up to 280 min., LP = up to 355 min.  
 Standard Definition: HQ = up to 230 min., SP = up to 340 min., LP = up to 655 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

Microphone: Built-in Zoom Microphone

#### Convenience

White Balance: Auto, Outdoor, Indoor, One Push (via Touch panel)  
 Still Image Mode(s): JPEG  
 Face Detection: Yes - video and still  
 Hybrid: Yes  
 Quick On: Power On by LCD  
 Dual Record: Yes  
 Embedded GPS: Yes  
 Dynamic Range Optimizer: Yes  
 Scene Mode(s): Auto, Twilight, Twilight Portrait, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait), Spotlight, Beach, Snow  
 Image Stabilization: SteadyShot™ image stabilization  
 Smile Shutter™ technology: Yes  
 Face Index: Yes  
 Film Roll Index: Yes  
 Fader Effect(s): Black, White  
 Easy Operation: Yes  
 Slide Show Mode: Yes  
 Photo Capture from Movie: Yes  
 x.v.Color™ : Yes  
 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.  
 Exposure: Yes (Touch Panel)

#### Convenience Features

Multiple Language Display: Yes  
 BRAVIA® Sync™ : Yes

#### Video

Format: HD: MPEG4 AVC/H.264 SD: MPEG2

#### 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): Supplied (via A/V Remote jack)  
 HDMI™ Connection Output(s): Yes (mini)  
 Audio/Video Remote Terminal: Yes

#### Display

LCD Screen: 2.7" (diag.) touch panel Clear Photo LCD Plus™ display

#### Hardware

Manual / Auto Lens Cover: Auto  
 Light/Flash: Yes

Media Card slot: Memory Stick PRO Duo™ Media slot

#### Optics/Lens

35mm Equivalent: 53 - 621mm (4:3 Camera Mode), 43 - 507mm (16:9 Camera Mode)  
 Aperture: F 1.8-2.3  
 Focal Distance: 3.2 - 32.0mm  
 Focus: Full range Auto / Manual (Touch Panel)  
 Progressive Shutter Mode: Yes (Still Image)  
 Shutter Speed: Auto (Slow Shutter ON), 1/30 - 1/1000; Auto (Slow Shutter OFF) 1/60 - 1/1000; Scene Selection, 1/2 - 1/1000  
 Optical Zoom: 10x  
 Digital Zoom: 20x  
 Resolution: 4 megapixel still  
 Lens Type: Carl Zeiss® Vario-Tessar®  
 Minimum Illumination: 5 lux (Auto Slow Shutter On, 1/30 Shutter Speed )

#### Power

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

#### Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional, Windows Vista  
 Supplied Software: PMB Ver.4.2.00 Supports Windows 2000 Professional Service Pack4 (SP4), Windows XP Service Pack3 (SP3)(32bit)  
 Windows Vista Service Pack1 (SP1)(32bit/64bit). Not supported by Mac OS.

#### Dimensions

Weight: w/o battery: 8oz (290g), w battery: 90oz (280g)  
 Measurements: 1 3/16 x 4 5/8 x 2 1/2 inch (30x117x62mm)

#### Supplied Accessories

AC-L200, AC Adaptor  
 NP-FH50, Rechargeable Battery Pack  
 DCRA-C250, Handycam Station® cradle  
 Component A/V Cable  
 Composite A/V Cable  
 USB Cable (long)  
 USB Cable (short - travel)  
 USB Adaptor Cap  
 PMB Application Software / USB Driver / (CD-ROM )  
 Wrist Strap

#### Optional Accessories

NP-FH50, Rechargeable InFoLITHIUM Batteries  
 LCS-BBDB/R/L, Case  
 Starter Kit  
 AC-VQH10, AC Adaptor/Charger for H series batteries  
 BC-TRP, Travel Charger  
 VMC-30MHD, HDMI Cable (mini)  
 HVL-10NH, Tripod (VCT-80AV Video Light)  
 VCL-HGE07TB, Wide End Conversion Lens

UPC Code: 027242763005

1. When measuring media capacity, 16GB equals 16 billion bytes, a portion of which is used for system management and/or application files. The capacity that a user can use is approximately 14.7GB.
2. This camcorder captures high definition footage in the AVCHD format. 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 must only be played back on a compatible Blu-ray Disc devices, PC with supplied software or PLAYSTATION®3 devices.
3. Requires BRAVIA Sync feature in each product, including a compatible BRAVIA® HDTV. Please refer to owner's manual to determine compatibility.

4. NAVTEQ map detail on the camcorder is limited in some areas. By using a compatible PC, a broadband internet connection, and supplied Picture Motion Browser software, your photos and videos can be shown on an online map service. The online map service is currently provided courtesy of Google, and is subject to change or termination without notice.
5. Requires Windows® 2000 Professional SP4, Windows XP SP2, or Windows Vista®. Not supported by Mac OS.
6. Smooth Slow Record captures 3 seconds of video, which play back over 12 seconds.

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