

## HDR-TD30V

Full HD 3D Camcorder w/ GPS and 20.4MP stills

Brace yourself for immersive 3D HD video recording in a compact size. This innovative camcorder features dual Full HD sensors, lens and processors, plus 24p/60p recording and a 3.5" screen that lets you review 3D footage without glasses. It also captures crystal-clear 2D video and remedies video shake with Optical SteadyShot™ image stabilization.



### Key Features

#### **Double Full HD 3D Consumer camcorder**

The Sony® Handycam® HDR-TD30V utilizes two Full HD sensors to capture true 1920x1080 3D video for a more immersive 3D experience. Most 3D cameras achieve the 3D affect by splitting a 1920x1080 signal in to two 960x540 channels in order to squeeze them onto one sensor, thereby limiting resolution on the final output.

#### **3D Ready 3.5" Xtra Fine LCD™ display (1229K)**

The LCD is also 3D ready, enabling you to view your 3D content directly on the camera's LCD without the need for 3D glasses. The display delivers a more natural, realistic colors and easier viewing in bright conditions by reducing glare.

#### **1920x1080 Full HD 24p/60p w/20.4MP Exmor R CMOS Sensors**

Capturing 1920 x 1080 high definition resolution lets you record your memories in exceptional Full High Definition quality. Capable of 60p recording<sup>6</sup> and playback via HDMI™ and compatible HDTV<sup>4</sup>. If you're looking for a film-like quality look to your video, 24p recording<sup>6</sup> is available for you. Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with Sony's back-illuminated Exmor® R CMOS sensor. Designed for compact cameras and camcorders, the Exmor® R CMOS sensor relocates the photo diodes above the support circuitry, maximizing the light gathering area per pixel so you can shoot with better results in lower lighting conditions.

#### **Dual Wide Angle G Lenses to capture everything you want**

Experience the pinnacle of Sony® lens technology with the professional-quality G Lens. Engineered for superior optical performance, Sony G lenses deliver brilliant, accurate color reproduction and sharp, amazingly detailed images. In addition, the 29.8mm(2D) and 33.4mm focal length in Video Mode offers a broader perspective for enhanced wide angle shooting.

#### **Optical SteadyShot™ image stabilization w/ Active Mode**

Optical SteadyShot™ image stabilization with Active Mode compensates for greater degrees of camera shake to deliver stunningly smooth video, whether you're shooting in 3D or 2D.

#### **10x Optical Zoom in 3D mode**

Zoom in on your subjects even in 3D mode with 10x optical zoom.

#### **17x Extended Zoom to get even closer to the action<sup>6</sup>**

Get even closer to your subject from afar with 17x extended zoom. Extended zoom works in conjunction with 10x optical zoom<sup>6</sup> to get even closer to the action while maintaining HD image quality.

#### **Tracking Focus follows selected subjects<sup>6</sup>**

Tracking Focus works as an extension of Face Detection to allow you to select an object with a touch of the LCD and have the focus follow the selected object<sup>6</sup>

#### **Easily switch between 2D/3D with dedicated switch**

A dedicated switch allows for easy switching from recording 2D to 3D, whether you're recording or playing back video. In 3D mode, only 3D content will be displayed for playback, however when in 2D mode, all content will be displayed and played back in 2D. This allows you to record all your video in 3D and choose later whether or not you want to playback in 2D or 3D.

#### **5.1ch Surround mic for vivid and dynamic surround sound**

Dolby® Digital 5.1 channel recording captures active sounds coming from all directions, so you can experience your home movies the way you experienced them while recording.

### **Expanded recording/monitoring with mic/headphone jack**

Features dedicated mic and headphone inputs for expanded audio recording options and convenient monitoring of audio with headphones (external microphones and headphones sold separately).

### **Active Interface Shoe to attach intelligent accessories**

The Active Interface Shoe lets you mount Intelligent Accessories, such as external lights and microphones, which can help extend the capabilities of your camcorder.

### **Event Browse groups photos/videos for you for easy reference**

Event Browse conveniently groups your images and videos together for easier viewing. The date range that Event Browse groups your pictures and videos is easily adjusted to suit your needs. When used with the Highlight Playback feature, making and sharing a highlight reel from your event is easy and fun.

### **Highlight Playback creates movies with transitions for you**

Why spend hours editing your movies when you can let your camcorder do it for you? Highlight Playback identifies and compiles key scenes into a short, entertaining movie complete with music and transitions. You can even pinpoint the exact scene you want to include in the highlight reel. The easy 2D/3D selector switch allows you to show only 3D video when 3D is selected. For 2D playback of all video, set the switch to 2D and the camera will display 2D and 3D videos for playback on a standard HDTV. <sup>4</sup>

### **Clear Phase stereo speakers for true and dynamic sound**

Bring your video alive with Clear Phase stereo speakers with linear phase correction. Drawing on Sony's high-end audio expertise, renowned S-Master™ digital amplifier technology is utilized to produce more true-to-life sound.

### **Direct Copy to external HDD without PC<sup>13</sup>**

Store your memories in a whole new way with the ability to copy videos from your camcorder directly to an external hard disk drive<sup>13</sup> (sold separately), all without a computer. Your camcorder can also access videos stored on the external hard drive for playback on your HDTV4 (HDMI cable required), allowing you to utilize the camcorder's handy playback features.

### **Wind noise reduction for clear voice recording**

Wind Reduction reduces noise and interference that is produced when wind passes over the microphone, giving you a clearer and more enjoyable sound experience.

### **Intelligent Auto (180 different scene combinations possible)**

Intelligent Auto mode goes a step beyond traditional auto modes by analyzing your shot and then automatically selecting the appropriate settings from ten distinct scene modes and wind noise reduction. There are 180 different combinations possible: Portrait, Baby, Walk, Tripod, Backlight, Landscape, Spotlight, Twilight, Macro, Low light, Auto Wind Noise Reduction. The camcorder utilizes an advanced sound processor and sophisticated noise reduction algorithms to reduce wind noise by up to 10db compared to other models. In addition to reducing low frequency noise, iAuto also suppresses mid- and upper-frequency noise, resulting in clearer, more enjoyable sound.

### **Take sequential still photos with golf shot**

Building on the slow-motion capture capabilities of Smooth Slow Record, Golf Shot captures a few seconds of motion as a sequence of up to 22 still images, which can be viewed/printed individually or as a composite "sequence shot" image, perfect for analyzing the nuances of a golf swing, tennis serve, and other fast action. <sup>6</sup>

### **Built-in Flash for still photography**

The built-in flash will help you shed light on your subjects when shooting still images, giving you more flexibility when capturing memories.

### **Built-in USB cable for easy file transfer/charge**

The high-speed, built-in USB 2.0 cable allows for easy connection to your computer for charging or file transfer without having to remember separate cables. It also fits conveniently into the hand strap so it's out of the way until you need it. Charging your camcorder is faster than ever now through the USB; for every two minutes of charge time you get one minute of recording time.

### HDMI™ cable supplied for easy viewing on compatible HDTV<sup>4</sup>

A 3D ready HDMI™ (full to mini) cable supplied for easy viewing on compatible HDTV.<sup>4</sup>

### Geotagging with built-in GPS receiver & NAVTEQ® maps

A built-in GPS receiver<sup>7</sup> makes the HDR-TD30V an ideal choice for travelers. The receiver 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 computer using PlayMemories Home software<sup>9</sup>. Additionally, the receiver automatically adjusts your camcorder's clock to the proper time zone.

## Specifications

Imaging Sensor	
Imaging Sensor	2x 1/3.91" (4.6mm) back-illuminated Exmor® R CMOS Sensor
Processor	2x BIONZ® image processor
Pixel Gross	2x Approx.5430K pixels(3D HD)/Approx.5430K pixels(2D)
Effective Picture Resolution	Movie: 2x Approx.3980K pixels(16:9)(3D)/Approx.5020K pixels(16:9)(2D) Still: Approx.5020K pixels(16:9)
Color Filter System	ClearVid™ array
Recording	
Media Type	Memory Stick PRO Duo™ (Mark 2);Memory Stick PRO-HG Duo™;Memory Stick XC-HG Duo™;SD/SDHC/SDXC Memory Card(Class 4 or Higher)
Still Image Mode	2D Still Image:JPEG
Still Image Max Effective Resolution	20.4 megapixels
Still Image Size 16:9	Movie Mode: 20.4 megapixels 16:9 (6016x3384); Photo Mode: 20.4 megapixels 16:9 (6016x3384)
Still Image Size 4:3	Movie Mode: 15.3 megapixels 4:3 (4512x3384); Photo Mode: 15.3 megapixels 4:3 (4512x3384)
Video Mode	3D:MPEG4-MVC/H.264 AVCHD™ format ver.2.0 compatible; 2D:MPEG4-AVC/H.264 AVCHD™ format ver.2.0 compatible; STD:MPEG2-PS
Video Resolution	3D HD:2x 1920x1080/60i; 2D HD:1920x1080/60p(PS),24p(FX,FH),60i(FX,FH), 1440x1080/60i(HQ,LP); STD:720x480/60i
Video Actual (Pixel)	3D HD:2x Approx.3980K pixels(16:9), 2D HD, STD:Approx.5020K pixels(16:9), Approx.3760K pixels(4:3)
Video Signal	HDTV, NTSC color, EIA standards
Photo Capture from Movie	2.1 megapixels 16:9 (1920x1080); 0.3 megapixels 4:3 (640x480); 0.2 megapixels 16:9 (640x360)
Dual Record	20.4 megapixels 16:9(6016x3384); 10.0 megapixels 16:9(4224x2376);2.1 megapixels 16:9(1920x1080)
Audio Format	Dolby® Digital 5.1 ch, Dolby® Digital 5.1 Creator; Dolby® Digital 2ch Stereo, Dolby® Digital Stereo Creator
Microphone/Speaker	Built-in Zoom Microphone; Clear Phase Stereo Speaker
Mic Level Control	Yes(2steps)
Movie Recording Rate(Average Bit Rate/VBR)	3D HD, 3D:Approx.28Mbps 2D HD PS:Approx.28Mbps/FX:Approx.24Mbps/FH:Approx.17Mbps/HQ:Approx.9Mbps/LP:Approx.5Mbps, STD HQ:9Mbps
Still Image File Format	DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible
Wind Noise Reduction	Yes(On/Off)
Optics/Lens	
Lens Type	G™ Lens
Lens Stabilization	Optical SteadyShot™ image stabilization w/ Active mode (Wide(3D)/Wide to Tele(2D))

Aperture	F1.8 - F3.4
Optical Zoom	10x
Digital Zoom	120x(2D only)
Focal Length (35mm equivalent)	Movie Mode: 3D:33.4mm-400.8mm (16:9), 2D:29.8mm-298mm (16:9), 36.3mm - 363mm (4:3); Photo Mode: 29.8mm-298mm (16:9), 36.3mm - 363mm (4:3)
Minimum Focus Distance	3D:Approx.30cm(Wide), Approx.3.6m(Tele); 2D:Approx.1cm(Wide), Approx.80cm(Tele), Approx.38cm(Tele Macro)
Extended Zoom	12x(3D)/17x(2D)
Focal Distance	f = 3.2-32mm(3D); f = 5/32-1 5/16inch(3D); f = 3.2-32mm(2D); f = 5/32-1 5/16inch(2D)
Touch Panel	Yes
<b>LCD Display</b>	
LCD Type	3.5" (8.8cm) Xtra Fine LCD™ display(1229K) Wide (16:9)
Angle Adjustment	Opening Angle:max.90 deg., Turning Angle:max.270 deg.
Brightness Control	Yes(Menu)
Coverage	100%
Grid Display	Grid Line (2D only)
<b>Focus Control</b>	
Focus System	Contrast AF
AF Modes	Auto/Manual(Touch Panel)
Focus Area	Full range Focus(3D/2D)/Spot Focus(2D only);Peaking Display(2D only)
Focus Features	Tracking Focus(2D only)
<b>Exposure System</b>	
Metering Modes	Multi-segment(3D/2D)/Spot(2D only)
Exposure Compensation	AE Shift(Dial/Touch Panel)
Exposure Settings	Auto; Flexible Spot(Touch Panel);Manual(Dial)
Scene Mode(s)	Auto/Twilight/Twilight Portrait(Photo Mode only)/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow
D-Range Optimizer	Yes
Noise Reduction	Yes
White Balance Mode	Auto/Onepush/Outdoor/Indoor
Minimum Illumination	Standard:6 lux(1/60 Shutter Speed); Low Lux:3 lux(1/30 Shutter Speed)(2D only)
Auto Iris Control	F1.8 - F10
Backlight Compensation	Yes(Auto)
LOW LUX Mode	Yes(2D only)
Manual Exposure Assist	Zebra Pattern Display(2D only)
Manual Iris Control	F1.8 - F10
WB Shift	Yes
<b>Drive System</b>	
Drive Mode	Photo Mode(2D only):Single-shot/Self-timer
Self-timer	Approx.10sec.(Still Image/Golf Shot)
Shutter Speeds	Shutter Speed(Standard): 1/60-1/10,000; Shutter Speed (Auto Control Range); Shutter Speed(Manual Iris Control) 1/60-1/10,000; Shutter Speed(Manual Shutter) ; 1/8-1/10,000; Shutter Speed(Smooth Slow Rec): 1/250-1/10,000(2D only)
<b>Flash</b>	
Flash Type	Built-in Flash
Flash Metering System	Pre-flash TTL
Flash Modes	Auto/Forced/Prohibited; (2D only)
Flash Compensation	Yes(3 steps)(2D only)
Flash Coverage	Approx.0.3m-1.5m(2D only)
<b>Convenience Features</b>	

Manual / Auto Lens Cover	Auto
S/S & Zoom button on LCD	Yes(Touch Panel)
Red-Eye Reduction	Yes(Off/On)(2D only)
Fader Effect(s)	White/Black(2D only)
Date / Time Stamp	Yes(Rec Date and Time, Camera info, Coordinates)
Erase/Protect	Yes/Yes
Media/Battery Indicator	Yes(recordable time, free and used media space)/Yes(recordable time, remaining capacity)
Still Image Playback Options	Slide Show
Video Playback Options	Highlight Playback(HD Movie Only); Highlight Playback Save and Share(Translate into STD quality); Highlight Scenario(Save/Playback/Erase); Highlight BGM(Preinstalled 4 music files, Music transfer)
Built-in USB Cable	Yes(USB Charge Available)
Multiple Language Display	English; Simplified English; Brazilian Portugese; Canadian French
Remote Control	Yes
Self Recording	Yes
View & Index	Event/MAP
AGC Limit	Yes(2D only)
<b>Advanced Features</b>	
Audio Level Display	Yes
CinemaTone Gamma/Color	Yes
Closer Voice	Yes
Embedded GPS	Yes(Current Position Display(Your Location))
Face Detection	Yes
Golf Shot	Yes(2D only)
Image Stabilization	Optical SteadyShot™ image stabilization w/ Active mode (wide(3D)/Wide to Tele(2D))
Intelligent Auto	Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light/Auto wind noise reduction
Priority Setting (for Face Detection)	Auto/Child Priority/Adult Priority; (2D only)
S-Master	Yes
Smile Shutter™ technology	Dual Capture/Always On/Off; (2D only)
Smooth Slow Rec	Yes(2D only)
x.v.Color™	Yes
<b>Interface</b>	
Memory Card Slot	Memory Stick PRO Duo™ and SD/SDHC/SDXC compatible
SD Output	Composite Video Out(A/V connecting cable(supplied))
HD Output	HDMI Out(mini)(supplied)
USB Port(s)	TypeA, mini-AB/USB2.0 Hi-speed (mass-storage/MTP)
BRAVIA® Sync™	Yes
PhotoTV HD	Yes
DVDirect	Yes(DVD Writer supported(sold separately))
Headphone Jack	Stereo Minijack
Microphone Input	Stereo Minijack
Direct Copy	Yes
Accessory Shoe	Yes(Active Interface Shoe)
3D HD output	HDMI Out(mini)(supplied)
A/V Remote Terminal	Video/Audio/Remote
DC IN	Yes
HDMI Terminal	Yes(mini)
Wi-Fi (Opt. Acc)	-

**Weights and Measurements**

**Dimensions (Approx.)**      **Approx. 2 1/2inch x 2 7/8inch x 5 1/4inch (63.5mm x 71.5mm x131mm) (including supplied battery)**

**Weight (Approx.)**      **Approx. 1lb 0oz ((460g) Main Unit Only)**

**Power**

**Power Requirements**      **6.8V/7.2V (battery pack); 8.4V (AC Adaptor)**

**Battery Type**      **Infolithium® with AccuPower™ Meter System (V Series)**

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**Weight (Approx.)**      **Approx. 1lb 0oz ((460g) Main Unit Only); Approx. 1lb 1oz(NP-FV50(supplied battery)); Approx. 1lb 3oz(NP-FV70); Approx . 1lb 7oz(NP-FV100)**

**Accessories**

**Supplied Accessories**

- Rechargeable Battery Pack (NP-FV50) (1)
- AC adaptor (AC-L200) (1)
- Power Cord (1)
- HDMI(micro) Cable (1)
- USB Connection Support Cable (1)
- Remote Commander(RMT-835 with Battery(CR2025)) (1)
- Operating Guide (1)

4. Requires HDTV and HDMI cable sold sep.

6. Function only works in 2D mode.

7. Map service requires PC with internet. Service provided by Google and subject to change without notice

9. For PC: Requires Microsoft® Windows® XP SP3/ Windows Vista® SP2/Windows 7. For Mac: Requires Mac OS X (v10.5-10.7)

13. Requires included VMC-UAM1 cable. AC power for camcorder, and hard drive formatted in FAT-32. USB-hub not supported. External HDD/USB media should be less than 2TB(terabytes).

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