



# HDR-XR550V

## High Definition Hard Disk Drive Handycam® Camcorder

Capture stunning 1920 x 1080 high-definition video<sup>2</sup> and 12 Megapixel still images with the HDR-XR550V, which employs an "Exmor R" CMOS sensor for superior low-light performance and a 240GB<sup>1</sup> internal hard disk drive. Optical SteadyShot™ image stabilization with Active Mode and 3-way Shake Canceling enables you to capture remarkably smooth video from wide angle to full telephoto shooting.



### Full HD Recording with 60p playback

Record amazing HD video at full 1920x1080 resolution and enjoy 60p playback via HDMI™ cable and compatible HDTV. Additionally, you can record your video at 24 Mbps, the highest possible bit-rate for AVCHD, and enjoy near Blu-ray Disc™ quality video reproduction<sup>2</sup>.

### 1/2.88" "Exmor R" CMOS Sensor

Delivers bright, vivid, spectacularly detailed video footage, as well as 12 Megapixel still images. Additionally, it provides stunning low-light sensitivity with improved image clarity and drastically reduced grain whether you're in video or still photo mode.

### Optical SteadyShot™ image stabilization w/ Active Mode (Wide to Tele)

Compensates for greater degrees of camera shake to deliver stunningly smooth video from wide angle to full telephoto shooting.

### Wide Angle G-Lens (26.3mm)\* with 10x Optical Zoom

Engineered for superior optical performance, the Sony G lens delivers brilliant, accurate color reproduction and sharp, amazingly detailed images. In addition, the 26.3mm\* focal length in Photo Mode and 29.8mm\* in Video Mode offers a broader perspective for enhanced wide-angle shooting.

### Quick Autofocus

An improved autofocus (AF) system now lets you take crisp images even faster. In fact, this new Quick AF feature focuses twice as fast when compared to previous Sony camcorder models.

### 3.5" Xtra Fine LCD™ display (921K)<sup>3</sup> w/TruBlack™ technology

TruBlack™ technology brings remarkably higher contrast and brightness to the camcorder's 3.5" Xtra Fine LCD™ display<sup>3</sup>, delivering more natural, realistic colors and easier viewing in bright conditions by reducing glare.

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

Lets you 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.<sup>7</sup>

### Face Detection Technology w/ Face Priority

With Face Priority, your camcorder optimizes focus, color, exposure, and Smile Shutter™ technology for the face you prioritize. Just touch the preferred face on the LCD display and the camcorder will not only prioritize it for you, but will remember your prioritized face until the camera is turned off.

### Assignable Dial

Allows for control of focus, exposure, white balance, iris, and shutter speed. Adjusting the iris lets you control depth of field, while shutter speed allows you to control motion blur.

### Intelligent Auto Mode

Analyzes your shot and then automatically selects the appropriate settings from 10 distinct scene modes: Landscape, Backlight, Twilight, Spotlight, Low light, Macro, Portrait, Baby, Tripod, Walk Detection. Lets you get extra creative with 90 possible scene combinations.

### 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.

### Additional Features:

- Active Interface Shoe
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic
- Sony® PMB (Picture Motion Browser) software<sup>9</sup>
- Smooth Slow Record

\* 35mm equivalent

# Specifications

IMAGE	
Imaging Device	1/2.88" Exmor R™ CMOS Sensor with ClearVid™ array
Processor	BIONZ® image processor
Imager Pixel Gross Size	6631K
VIDEO	
Video Actual 16:9	4150K pixels
Video Actual 4:3	3110K pixels
Video Resolution (Movie Quality)	HD: 1920x1080/1440x1080; SD: 720 x 480
Video Signal System	HD: HDTV 1080/60i; SD: NTSC color
Video Format(s) Supported	HD: AVCHD <sup>2</sup> ; MPEG-2
STILL PICTURE	
Still Actual 16:9	4500K
Still Actual 4:3	6000K
Still Picture Resolution	12 MP
Dual Record Resolution	8.3 MP
AUDIO	
Audio Recording Format	Dolby® Digital 5.1ch / Dolby® Digital 2ch stereo
Microphone	Built-in Zoom Microphone
MEDIA TYPE	
Recording Media	Memory Stick PRO Duo™ Media (Sold Separately): SD/SDHC Media <sup>20</sup>
Internal Memory	HDD 240GB <sup>1</sup>
RECORDING CAPACITY	
Rec. / Playback with Internal Memory	When using 2ch: High Definition: FX = up to 1370 min., High Definition: FH = up to 1780 min., HQ = up to 3560 min., LP = up to 6060 min. Standard Definition: HQ = up to 3670 min. When using 5.1ch: High Definition: FX = up to 1370 min., High Definition: FH = up to 1750 min., HQ = up to 3560 min., LP = up to 5770 min. Standard Definition: HQ = up to 3560 min.
OPTICS AND LENS	
Lens Type	G Lens
35mm Equivalent 16:9	29.8 - 298mm
35mm Equivalent 4:3	36.5 - 365mm
Aperture	F1.8 - 3.4
Exposure Control	Yes (Touch Panel/Dial)
Filter Diameter (mm)	37mm
Focal Distance (mm)	3.8 - 38mm
Focus System	Full Range Auto/Manual (Touch Panel / Dial)
Progressive Shutter Mode	N/A
Shutter Speed	Scene Selection, 1/8-1/1500; STD: 1/60-1/1500; LOW LUX: 1/30-1500; Smooth Slow Rec, 1/250 - 1/1500
Minimum Illumination	11 lux (1/60 Shutter Speed)
Optical Zoom	10x
Digital Zoom	120x
DISPLAY	
Display	3.5" Xtra Fine LCD™ wide touch panel <sup>8</sup>
View Finder	0.5cm (0.2 type)
HARDWARE	
Flash	Yes (High / Normal / Low)
Memory Card Slot	Yes (Memory Stick PRO Duo media, SD/SDHC media <sup>20</sup> )
Manual / Auto Lens Cover	Auto
Assignable Dial	6 available settings: Focus, Exposure, AE Shift, WB Shift, Iris control, Shutter speed control
S/S & Zoom Button on LCD	Yes (Touch Panel)
INPUTS & OUTPUTS	
Audio/Video Remote Terminal	Video/S Video/Audio/Component Out/Remote
Digital Audio/Video Output(s)	HDMI™
USB Port(s)	Yes (mini B/Hi-Speed)
Component Video (Y/Pb/Pr) Output(s)	A/V terminal
HDMI™ Connection Output(s)	Yes (mini)
Headphone Jack	Yes
Microphone Input	Yes
Active Interface Shoe	Yes

CONVENIENCE	
Face Detection	Yes
Smile Shutter™ Mode	Yes
Quick On	Yes, Power On with LCD
BRAVIA® Sync Control for HDMI (CEC)	Yes <sup>5</sup>
CONVENIENCE FEATURES	
Dynamic Range Optimizer	Yes
Image Stabilization	Optical SteadyShot™ Image Stabilization
x.v.Color™	Yes
White Balance	Auto / Outdoor / Indoor / Onepush (Touch Panel)
Fader Effects	Yes
Scene Selection Mode(s)	Auto, Twilight, Twilight Portrait, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
Face Index	Yes
Film Roll Index	Yes
Photo Capture from Movie	Yes
Still Image Mode(s)	JPEG
Slide Show Mode	Yes
Easy Handycam	No
One Touch Disc Burn	Yes <sup>12</sup>
PhotoTV HD	Yes <sup>8</sup>
Multiple Language Display	Yes
Smooth Slow Record	Yes
Golf Shot	Yes
POWER	
Power Consumption	3.8W
Supplied Battery Type	InfoLITHIUM® (NP-FV50)
Power Requirements	7.2V (battery pack); 8.4V (AC Adaptor)
DIMENSIONS	
Dimensions (Approx.)	2 7/8 x 3 x 5 3/4 inch (70 x 74 x 143mm)
Weight (Approx.)	1lb. 4oz (510g)
SUPPLIED ACCESSORIES	
AC Adaptor	AC-L200C/AC-L200D
Rechargeable Battery Pack	InfoLITHIUM® (NP-FV50)
Remote Commander® control unit	RMT-835
Clock Lithium (Installed)	Yes
Component Video Cable	Yes
Composite Video Cable	Yes
USB Cable	Yes
Application Software (CD-ROM)	PMB Ver.5.0 <sup>7</sup>
SUGGESTED ACCESSORIES	
Rechargeable InfoLITHIUM Batteries	NP-FV50/FV70/FV100
Starter Kit	ACC-FV70, ACC-FV50A, ACC-HDV7
AC Adaptor/Charger for V series batteries	AC-VQV10/BC-TRV
Lens	VCL-HGA07B, VCL-HGE08B, VCL-HG1730A, VCL-HG1737C
HDMI Cable (mini)	VMC-15MHD, VMC-30MHD
Tripod	VCT-80AV, VCT-60AV, VCT-50AV, VCT-R640
Video Light	HVL-HFL1, HVL-10NH, HVL-HIRL, HVL-HLI
GPS Unit	GPS-CS3KA

- FOOTNOTES**
- 240GB equals 240 billion bytes. A portion of the total storage is used for system management and/or application files. The capacity that a user can use is approximately 238 GB after deleting 650MB of demonstration video.
  - This camera captures high definition footage in the AVCHD format. High Definition AVCHD discs can be created using standard DVD media, the supplied software and a compatible PC. DVD media containing AVCHD footage may be played on a compatible Blu-ray Disc™ player/recorder, PC with supplied software or PlayStation®3 devices. DVD media containing AVCHD footage should not be used with standard DVD based players, as the DVD player may fail to eject the media and may erase its contents without warning.
  - Viewable area measured diagonally.
  - HD viewing requires compatible HDTV and HDMI™ cable, both sold separately.
  - Requires BRAVIA Sync feature in each product, including a compatible BRAVIA® HDTV. Please refer to owner's manual to determine compatibility.
  - NAVTEG 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.
  - Compatible BRAVIA® HDTV and HDMI™ or component cable (sold separately) required for PhotoTV HD viewing.
  - Requires Microsoft Windows XP SP3 / Windows Vista SP2 / Windows 7. Not supported by Mac OS.
  - Smooth Slow Record captures 3 seconds of video which play back over 12 seconds.
  - One Touch Disc Burn feature requires DVD/Blu-ray burner or compatible PC with supplied PBM software (sold separately).
  - Requires USB 2.0 connection via VMC-UAM1 cable (sold separately). AC power for camcorder, and hard drive formatted in FAT-32. Connection via USB-hub not supported. External HDD/USB media should be less than 2TB (Terabytes).
  - When using movie mode Memory Stick PRO Duo with MARK2 (M2) logo, Memory Stick PRO-HG™, SD/SDHC media (Class 4 or higher) are recommended.

